



# FUSERBLOC

Fuse combination switches  
for industrial fuses up to 1250 A



FUSERBLOC  
630 to 1250 A



FUSERBLOC  
32 to 400 A



FUSERBLOC  
20 to 32 A

## Function

FUSERBLOC are manually operated multipolar fuse combination switches. They make and break on load and provide safety isolation and protection against overcurrent for any low voltage electrical circuit.

## Advantages

### Improved safety

- Complete isolation of the fuse with double breaking per pole (top and bottom of fuse).
- Positive break indication.
- IP2X protection with terminal shrouds front panel.

### High breaking capacity

Protection against overloads and short-circuits thanks to high breaking capacity fuses (100 kA rms).

### Specific functionalities for simplified use

- TEST position for testing control circuits without energising the power poles using U-type auxiliary contacts. In TEST position, the enclosure door can be opened.
- Mechanical or electronic fuse melting detection system (see DDMM or FMD page 270).

## The solution for

- > Motor load break
- > Protection of industrial processes



## Strong points

- > Improved safety
- > High breaking capacity
- > Specific functionalities for simplified use

## A complete range

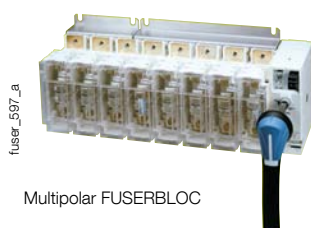
- > Centred or left side operation, rear connections, plug-in connections. Please consult us.

## Conformity to standards

- > IEC 60947-3
- > EN 60947-3
- > BS EN 60947-3
- > NBN EN 60947-3
- > IEC 60269-1
- > DIN EN 60269-1
- > NF EN 60269-1
- > IEC 60269-2
- > VDE 0636-1
- > VDE 0660-107
- > Standards UL: see FUSERBLOC UL



## Customised solutions



Multipolar FUSERBLOC



Centred operation

## Approvals and certifications<sup>(1)</sup>

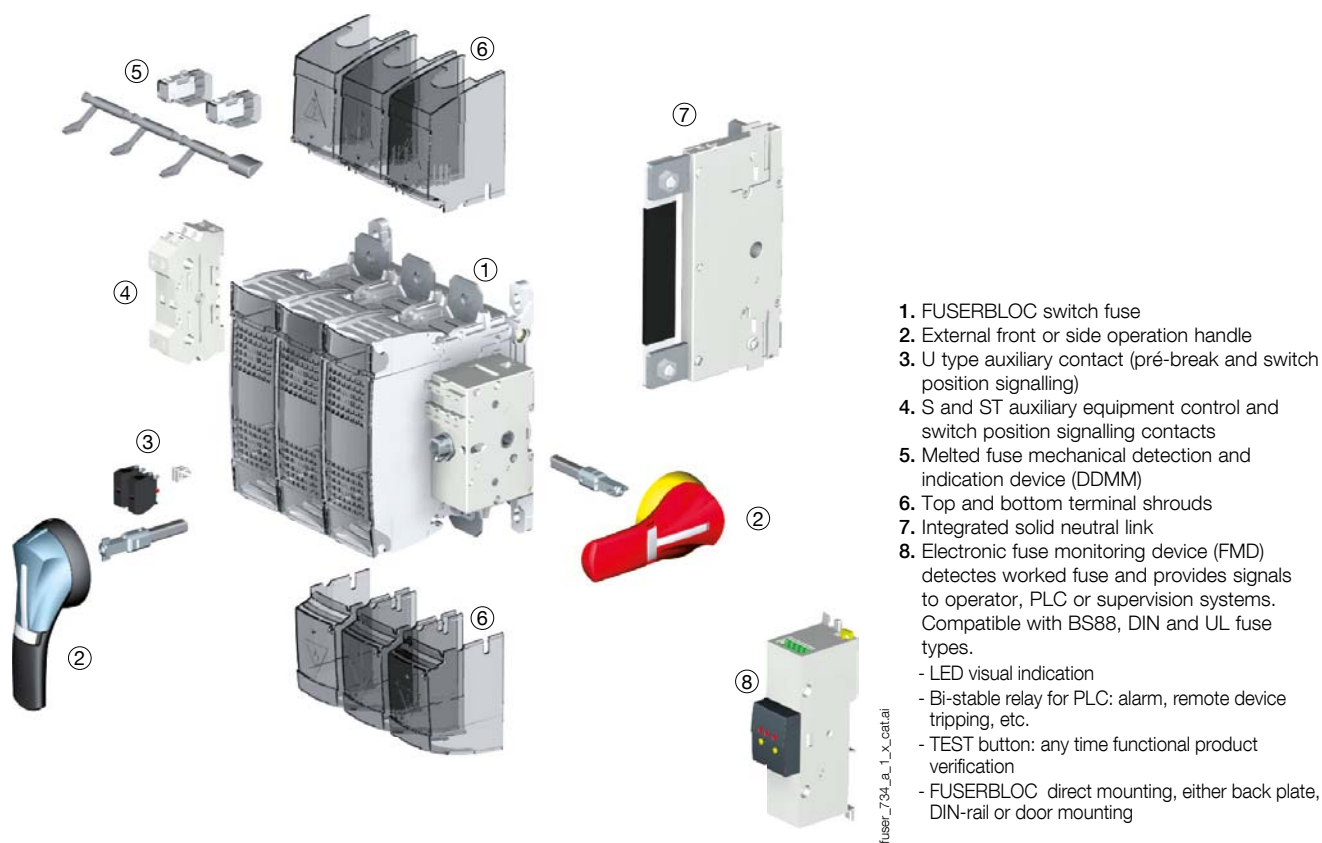


Lloyd's  
Register

<sup>(1)</sup> Product reference on request.

## What you need to know

- In addition to the FUSERBLOC rating, product selection also depends on the fuse characteristics and functional specifications, which need to be in accordance with the application. SOCOMEC FUSERBLOC are available for utilisation with **NFC, DIN or BS88 fuses**.



- Whether it is 3 pole + switched neutral or 3 pole + solid neutral, the **FUSERBLOC 20 to 32 A with direct front operation and external operation** is the best suited solution in compact design.



- From 32 to 400 A, the FUSERBLOC is available in 2, 3 or 4 poles with **direct right side operation**.



- For ratings 20 to 400 A, the **flat mounting kit** provides a compact solution ideally suited to withdrawable applications.
- Maintenance of outputs from the DC common bus.



# FUSERBLOC

Fuse combination switches

for industrial fuses up to 1250 A

## References

### BS 88 - External front and side operation - 20 to 160 A

| Rating (A)<br>Fuse size<br>Frame size    | Number of<br>poles        | Reference<br>Switch<br>I - 0 - TEST | Reference<br>Changeover<br>I - 0 - II | External<br>front<br>handle I - 0                              | TEST<br>External<br>front handle<br>I - 0 - TEST               | External<br>right side<br>handle I - 0                         | Changeover<br>external<br>front handle<br>I - 0 - II           | Shaft<br>extensions<br>for handle | Terminal<br>shrouds <sup>(3)</sup>                                            | U type<br>A/C <sup>(2)</sup>        | Integrated<br>solid<br>neutral link |
|------------------------------------------|---------------------------|-------------------------------------|---------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| CD 20 A<br>A1<br>0                       | 3 P                       | 3641 <b>3000</b>                    | 3680 <b>3000</b>                      |                                                                |                                                                |                                                                |                                                                | 320 mm<br>1401 <b>0532</b>        |                                                                               |                                     |                                     |
|                                          | 3 P + switched<br>neutral | 3641 <b>4000</b>                    | 3680 <b>4000</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 3 P+solid<br>neutral      | 3641 <b>5000</b>                    |                                       |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
| CD 32 A<br>A1<br>0                       | 3 P                       | 3641 <b>3001</b>                    | 3680 <b>3001</b>                      | S1 type<br><br>Black<br>IP65<br>1413 <b>2111<sup>(1)</sup></b> | S1 type<br><br>Black<br>IP65<br>1413 <b>2115<sup>(1)</sup></b> | S1 type<br><br>Black<br>IP65<br>1417 <b>2111<sup>(1)</sup></b> | S1 type<br><br>Black<br>IP65<br>1413 <b>2113<sup>(1)</sup></b> |                                   | IP2x<br>as standard                                                           |                                     |                                     |
|                                          | 3 P + switched<br>neutral | 3641 <b>4001</b>                    | 3680 <b>4001</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 3 P + solid<br>neutral    | 3641 <b>5001</b>                    |                                       |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
| 32 A<br>A1<br>11                         | 2 P                       | 3841 <b>2003</b>                    |                                       | Red/Yellow<br>IP65<br>1414 <b>2111</b>                         | Red/Yellow<br>IP65<br>1414 <b>2115</b>                         | Red/Yellow<br>IP65<br>1418 <b>2111</b>                         | Red/Yellow<br>IP65<br>1414 <b>2113</b>                         |                                   |                                                                               |                                     |                                     |
|                                          | 3 P                       | 3841 <b>3003</b>                    | 3880 <b>3003</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 4 P                       | 3841 <b>6003</b>                    | 3880 <b>6003</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
| 63 A<br>A2-A3<br>12                      | 2 P                       | 3841 <b>2006</b>                    |                                       |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               | 1 contact<br>NO<br>3999 <b>0701</b> | 3829 <b>9310</b>                    |
|                                          | 3 P                       | 3841 <b>3006</b>                    | 3880 <b>3006</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 4 P                       | 3841 <b>6006</b>                    | 3880 <b>6006</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
| 100 A<br>A4 <sup>(4)</sup><br>13         | 2 P                       | 3841 <b>2010</b>                    |                                       |                                                                |                                                                |                                                                |                                                                | 320 mm<br>1400 <b>1032</b>        |                                                                               | 1 contact<br>NC<br>3999 <b>0702</b> |                                     |
|                                          | 3 P                       | 3841 <b>3010</b>                    | 3880 <b>3010</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 4 P                       | 3841 <b>6010</b>                    | 3880 <b>6010</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
| CD 160 A<br>A3-A4 <sup>(4)</sup><br>13 A | 2 P                       | 3841 <b>2014</b>                    |                                       | S2 type<br><br>Black<br>IP65<br>1423 <b>2111<sup>(1)</sup></b> | S2 type<br><br>Black<br>IP65<br>1423 <b>2115<sup>(1)</sup></b> | S2 type<br><br>Black<br>IP65<br>1427 <b>2111<sup>(1)</sup></b> | S2 type<br><br>Black<br>IP65<br>1421 <b>2113<sup>(1)</sup></b> |                                   | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> |                                     | 3829 <b>9320</b>                    |
|                                          | 3 P                       | 3841 <b>3014</b>                    | 3880 <b>3014</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 4 P                       | 3841 <b>6014</b>                    | 3880 <b>6014</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
| 160 A<br>A4<br>14                        | 2 P                       | 3841 <b>2015</b>                    |                                       | Red/Yellow<br>IP65<br>1424 <b>2111</b>                         | Red/Yellow<br>IP65<br>1424 <b>2115</b>                         | Red/Yellow<br>IP65<br>1428 <b>2111</b>                         | Red/Yellow<br>IP65<br>1424 <b>2113</b>                         |                                   |                                                                               |                                     |                                     |
|                                          | 3 P                       | 3841 <b>3015</b>                    | 3880 <b>3015</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 4 P                       | 3841 <b>6015</b>                    | 3880 <b>6015</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
| 160 A<br>B1-B2<br>14                     | 2 P                       | 3841 <b>2016</b>                    |                                       |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 3 P                       | 3841 <b>3016</b>                    | 3880 <b>3016</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |
|                                          | 4 P                       | 3841 <b>6016</b>                    | 3880 <b>6016</b>                      |                                                                |                                                                |                                                                |                                                                |                                   |                                                                               |                                     |                                     |

(1) Standard.

(2) 4 auxiliary contacts as standard without additional contact holder.

(3) Top/bottom.

(4) For fuse size A4: max diameter 31 mm.

## BS 88 - External front and side operation - 200 to 1250 A

| Rating (A)<br>Fuse size<br>Frame size | Number of<br>poles | Reference<br>Switch<br>I - 0 - TEST | Reference<br>Changeover<br>I - 0 - II | External<br>front<br>handle I - 0                                                             | TEST<br>External<br>front handle<br>I - 0 - TEST                                              | External<br>right side<br>handle I - 0                                                        | Changeover<br>external<br>front handle<br>I - 0 - II                                          | Shaft<br>extensions<br>for handle | Terminal<br>shrouds <sup>(3)</sup>                                                            | U type<br>A/C <sup>(2)</sup> | Integrated<br>solid<br>neutral link |         |                            |                            |                                                                                |                  |
|---------------------------------------|--------------------|-------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------|------------------------------|-------------------------------------|---------|----------------------------|----------------------------|--------------------------------------------------------------------------------|------------------|
| CD 200 A<br>A3-A4 (5)<br>13 A         | 2 P                | 3841 <b>2019</b>                    |                                       | S2 type                                                                                       | S2 type                                                                                       | S2 type                                                                                       | S2 type                                                                                       | 320 mm<br>1400 <b>1032</b>        | 2 P<br>3998 <b>2016</b>                                                                       |                              | 3829 <b>9320</b>                    |         |                            |                            |                                                                                |                  |
|                                       | 3 P                | 3841 <b>3019</b>                    | 3880 <b>3019</b>                      |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   | 3 P<br>3998 <b>3016</b>                                                                       |                              |                                     |         |                            |                            |                                                                                |                  |
|                                       | 4 P                | 3841 <b>6019</b>                    | 3880 <b>6019</b>                      |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   | 4 P<br>3998 <b>4016</b>                                                                       |                              |                                     |         |                            |                            |                                                                                |                  |
| 200 A<br>B1-B2<br>15                  | 2 P                | 3841 <b>2021</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   | S2 type                                                                                       |                              | S2 type                             | S2 type | S2 type                    | 320 mm<br>1400 <b>1032</b> | 2 P<br>3998 <b>2025</b>                                                        | 3829 <b>9325</b> |
|                                       | 3 P                | 3841 <b>3021</b>                    | 3880 <b>3021</b>                      |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            |                            | 3 P<br>3998 <b>3025</b>                                                        |                  |
|                                       | 4 P                | 3841 <b>6021</b>                    | 3880 <b>6021</b>                      |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            |                            | 4 P<br>3998 <b>4025</b>                                                        |                  |
| 250 A<br>B1-B2-B3<br>15               | 2 P                | 3841 <b>2024</b>                    |                                       | Black<br>IP65<br>1423 <b>2111<sup>(1)</sup></b><br><br>Red/Yellow<br>IP65<br>1424 <b>2111</b> | Black<br>IP65<br>1423 <b>2115<sup>(1)</sup></b><br><br>Red/Yellow<br>IP65<br>1424 <b>2115</b> | Black<br>IP65<br>1425 <b>2111<sup>(1)</sup></b><br><br>Red/Yellow<br>IP65<br>1428 <b>2111</b> | Black<br>IP65<br>1422 <b>2113<sup>(1)</sup></b><br><br>Red/Yellow<br>IP65<br>1424 <b>2113</b> | 320 mm<br>1400 <b>1032</b>        |                                                                                               | 2 P<br>3998 <b>2025</b>      |                                     |         |                            |                            | 1 contact<br>NO<br>3999 <b>0701</b><br><br>1 contact<br>NC<br>3999 <b>0702</b> |                  |
|                                       | 3 P                | 3841 <b>3024</b>                    | 3880 <b>3024</b>                      |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               | 3 P<br>3998 <b>3025</b>      |                                     |         |                            |                            |                                                                                |                  |
|                                       | 4 P                | 3841 <b>6024</b>                    | 3880 <b>6024</b>                      |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               | 4 P<br>3998 <b>4025</b>      |                                     |         |                            |                            |                                                                                |                  |
| 315 A<br>B1-B2-B3<br>16               | 2 P                | 3841 <b>2031</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   | S2 type                                                                                       | S2 type                      | S2 type                             | S2 type | 320 mm<br>1400 <b>1032</b> | 2 P<br>3898 <b>2040</b>    |                                                                                | 3829 <b>9339</b> |
|                                       | 3 P                | 3841 <b>3031</b>                    | 3880 <b>3032<sup>(6)</sup></b>        |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 3 P<br>3898 <b>3040</b>    |                                                                                |                  |
|                                       | 4 P                | 3841 <b>6031</b>                    | 3880 <b>6032<sup>(6)</sup></b>        |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 4 P<br>3898 <b>4040</b>    |                                                                                |                  |
| 400 A<br>B1-B2-<br>B3-B4<br>16        | 2 P                | 3841 <b>2038</b>                    |                                       | S3 type                                                                                       | S3 type                                                                                       | S3 type                                                                                       | S3 type                                                                                       | 320 mm<br>1400 <b>1232</b>        |                                                                                               |                              |                                     |         |                            | 2 P<br>3898 <b>2080</b>    | 3829 <b>9308</b>                                                               |                  |
|                                       | 3 P                | 3841 <b>3038</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 3 P<br>3898 <b>3080</b>    |                                                                                |                  |
|                                       | 4 P                | 3841 <b>6038</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 4 P<br>3898 <b>4080</b>    |                                                                                |                  |
| 630 A<br>C1-C2<br>17                  | 2 P                | 3821 <b>2063</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   | Black<br>IP65<br>1433 <b>3111<sup>(1)</sup></b><br><br>Red/Yellow<br>IP65<br>1434 <b>3111</b> | S3 type                      | S3 type                             | S3 type | 320 mm<br>1400 <b>1232</b> | 2 P<br>3898 <b>2080</b>    |                                                                                | 3829 <b>9308</b> |
|                                       | 3 P                | 3821 <b>3063</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 3 P<br>3898 <b>3080</b>    |                                                                                |                  |
|                                       | 4 P                | 3821 <b>6063</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 4 P<br>3898 <b>4080</b>    |                                                                                |                  |
| 800 A<br>C1-C2-C3<br>17               | 2 P                | 3821 <b>2080</b>                    |                                       | S4 type                                                                                       | S4 type                                                                                       | S4 type                                                                                       | S4 type                                                                                       | 320 mm<br>1400 <b>1232</b>        |                                                                                               |                              |                                     |         |                            | 2 P<br>3898 <b>2120</b>    | 3829 <b>9312</b>                                                               |                  |
|                                       | 3 P                | 3821 <b>3080</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 3 P<br>3898 <b>3120</b>    |                                                                                |                  |
|                                       | 4 P                | 3821 <b>6080</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 4 P<br>3898 <b>4120</b>    |                                                                                |                  |
| 1250 A<br>D1<br>18                    | 2 P                | 3821 <b>2120</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   | Black<br>IP65<br>1443 <b>3111<sup>(1)</sup></b>                                               | S4 type                      | S4 type                             | S4 type | 320 mm<br>1400 <b>1232</b> | 3898 <b>2120</b>           |                                                                                | 3829 <b>9312</b> |
|                                       | 3 P                | 3821 <b>3120</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 3898 <b>3120</b>           |                                                                                |                  |
|                                       | 4 P                | 3821 <b>6120</b>                    |                                       |                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                   |                                                                                               |                              |                                     |         |                            | 3898 <b>4120</b>           |                                                                                |                  |

(1) Standard.

(2) 4 auxiliary contacts as standard without additional contact holder.

(3) Top/bottom.

(4) 8 AC as standard without support (the support is for 8 additional auxiliary contacts).

(5) For fuse size A4: max diameter 31 mm.

(6) Terminal shrouds: 3 P - 3998 3025, 4 P - 3998 4025.

# FUSERBLOC

Fuse combination switches

for industrial fuses up to 1250 A

## References (continued)

### BS 88 - Direct operation - 20 to 160 A

| Rating (A)<br>Fuse size<br>Frame size   | Number of<br>poles        | Reference<br>Side direct<br>operation | Reference<br>Direct front<br>operation | Side direct<br>handle | Direct front<br>handle    | Auxiliary<br>contacts                                                                                                                 | Terminal<br>shrouds <sup>(3)</sup> | Cage<br>terminals | Handle key<br>interlocking<br>accessories <sup>(2)</sup> |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|-----------------------------------------|---------------------------|---------------------------------------|----------------------------------------|-----------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------|----------------------------------------------------------|--|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------|------------------|
| CD 20 A<br>A1<br>0                      | 3 P                       |                                       | 3641 <b>3000</b>                       |                       | Black<br>3629 <b>4012</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0001<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0002<sup>(1)</sup></b> | IP2x<br>as standard                | Standard          |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 3 P + switched<br>neutral |                                       | 3641 <b>4000</b>                       |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 3 P + solid<br>neutral    |                                       | 3641 <b>5000</b>                       |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
| CD 32 A<br>A1<br>0                      | 3 P                       |                                       | 3641 <b>3001</b>                       |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  | Black<br>3629 <b>7900</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3 P<br>5400 <b>3016</b><br>4 P<br>5400 <b>4016</b> |                  |
|                                         | 3 P + switched<br>neutral |                                       | 3641 <b>4001</b>                       |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 3 P + solid<br>neutral    |                                       | 3641 <b>5001</b>                       |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
| 32 A<br>A1<br>1                         | 2 P                       | 3625 <b>2003</b>                      | consult us                             |                       | Black<br>3629 <b>7901</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                    |                   | 3629 <b>7913</b>                                         |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 3 P                       | 3625 <b>3003</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 4 P                       | 3625 <b>6003</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
| 63 A<br>A2-A3<br>2                      | 2 P                       | 3625 <b>2006</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  | Black<br>3629 <b>7901</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                                                               |                                                    | 3629 <b>7913</b> |
|                                         | 3 P                       | 3625 <b>3006</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 4 P                       | 3625 <b>6006</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
| 100 A<br>A4 <sup>(4)</sup><br>3         | 2 P                       | 3625 <b>2010</b>                      | consult us                             |                       | Black<br>3629 <b>7901</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                    |                   | 3629 <b>7913</b>                                         |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 3 P                       | 3625 <b>3010</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 4 P                       | 3625 <b>6010</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
| CD 160 A<br>A3-A4 <sup>(4)</sup><br>3 A | 2 P                       | 3625 <b>2014</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  | Black<br>3629 <b>7901</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                                                               |                                                    | 3629 <b>7913</b> |
|                                         | 3 P                       | 3625 <b>3014</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 4 P                       | 3625 <b>6014</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
| 160 A<br>A4<br>4                        | 2 P                       | 3625 <b>2015</b>                      | consult us                             |                       | Black<br>3629 <b>7901</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                    |                   | 3629 <b>7913</b>                                         |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 3 P                       | 3625 <b>3015</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 4 P                       | 3625 <b>6015</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
| 160 A<br>B1-B2<br>4                     | 2 P                       | 3625 <b>2016</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  | Black<br>3629 <b>7901</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                                                               |                                                    | 3629 <b>7913</b> |
|                                         | 3 P                       | 3625 <b>3016</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |
|                                         | 4 P                       | 3625 <b>6016</b>                      | consult us                             |                       |                           |                                                                                                                                       |                                    |                   |                                                          |  |                           |                                                                                                                                       |                                                                               |                                                    |                  |

(1) Max. 2 contacts.

(2) Lock not included.

(3) Top/bottom.

(4) For fuse size A4: max diameter 31 mm.

## BS 88 - Direct operation - 200 to 400 A

| Rating (A)<br>Fuse size<br>Frame size    | Number of<br>poles | Reference<br>Side direct<br>operation | Reference<br>Direct front<br>operation | Side direct<br>handle     | Direct front<br>handle | Auxiliary<br>contacts                                                                                                                   | Terminal<br>shrouds <sup>(3)</sup>                                            | Cage<br>terminals                                  | Handle key<br>interlocking<br>accessories <sup>(2)</sup> |  |
|------------------------------------------|--------------------|---------------------------------------|----------------------------------------|---------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|--|
| CD 200 A<br>A3-A4 <sup>(4)</sup><br>13 A | 2 P                | 3625 <b>2019</b>                      | consult us                             | Black<br>3629 <b>7901</b> | consult us             | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021</b> <sup>(1)</sup><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022</b> <sup>(1)</sup> | 2 P                                                                           | 3 P<br>5400 <b>3016</b><br>4 P<br>5400 <b>4016</b> | 3629 <b>7913</b>                                         |  |
|                                          | 3 P                | 3625 <b>3019</b>                      | consult us                             |                           |                        |                                                                                                                                         | 3998 <b>2016</b><br>3 P                                                       |                                                    |                                                          |  |
|                                          | 4 P                | 3625 <b>6019</b>                      | consult us                             |                           |                        |                                                                                                                                         | 3998 <b>3016</b><br>4 P<br>3998 <b>4016</b>                                   |                                                    |                                                          |  |
| 200 A<br>B1-B2<br>5                      | 2 P                | 3625 <b>2021</b>                      | consult us                             |                           |                        |                                                                                                                                         | 2 P<br>3998 <b>2025</b><br>3 P<br>3998 <b>3025</b><br>4 P<br>3998 <b>4025</b> | 3 P<br>5400 <b>3025</b><br>4 P<br>5400 <b>4025</b> |                                                          |  |
|                                          | 3 P                | 3625 <b>3021</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |
|                                          | 4 P                | 3625 <b>6021</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |
| 250 A<br>B1-B2-B3<br>5                   | 2 P                | 3625 <b>2024</b>                      | consult us                             |                           |                        |                                                                                                                                         | 2 P<br>3998 <b>2025</b><br>3 P<br>3998 <b>3025</b><br>4 P<br>3998 <b>4025</b> | 3 P<br>5400 <b>3025</b><br>4 P<br>5400 <b>4025</b> |                                                          |  |
|                                          | 3 P                | 3625 <b>3024</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |
|                                          | 4 P                | 3625 <b>6024</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |
| 315 A<br>B1-B2-B3<br>6                   | 2 P                | 3625 <b>2032</b>                      | consult us                             |                           |                        |                                                                                                                                         | 2 P<br>3998 <b>2025</b><br>3 P<br>3998 <b>3025</b><br>4 P<br>3998 <b>4025</b> | 3 P<br>5400 <b>3040</b><br>4 P<br>5400 <b>4040</b> |                                                          |  |
|                                          | 3 P                | 3625 <b>3032</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |
|                                          | 4 P                | 3625 <b>6032</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |
| 400 A<br>B1-B2-B3-B4<br>6                | 2 P                | 3625 <b>2039</b>                      | consult us                             |                           |                        |                                                                                                                                         | 2 P<br>3998 <b>2025</b><br>3 P<br>3998 <b>3025</b><br>4 P<br>3998 <b>4025</b> | 3 P<br>5400 <b>3040</b><br>4 P<br>5400 <b>4040</b> |                                                          |  |
|                                          | 3 P                | 3625 <b>3039</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |
|                                          | 4 P                | 3625 <b>6039</b>                      | consult us                             |                           |                        |                                                                                                                                         |                                                                               |                                                    |                                                          |  |

(1) Max. 2 contacts.

(2) Lock not included.

(3) Top/bottom.

(4) For fuse size A4: max diameter 31 mm.

## BS 88 - Direct operation - 630 to 1250 A

| Rating (A)<br>Fuse size<br>Frame size | Number of<br>poles | Reference<br>Side direct<br>operation | Reference<br>Direct front<br>operation | Side direct<br>handle                                             | Direct front<br>handle    | Auxiliary<br>contacts                                        | Terminal<br>shrouds <sup>(3)</sup> | Cage<br>terminals | Handle key<br>interlocking<br>accessories <sup>(2)</sup> |  |
|---------------------------------------|--------------------|---------------------------------------|----------------------------------------|-------------------------------------------------------------------|---------------------------|--------------------------------------------------------------|------------------------------------|-------------------|----------------------------------------------------------|--|
| 630 A<br>C1-C2<br>17                  | 2 P                | 3821 <b>2063</b>                      | 3821 <b>2063</b>                       | S3 type<br>Black<br>3899 <b>7911</b><br><br>+<br>1437 <b>3111</b> | Black<br>3899 <b>6011</b> | 1 contact<br>NO<br>U-type<br>3999 <b>0701</b> <sup>(1)</sup> | 2 P<br>3898 <b>2080</b>            |                   |                                                          |  |
|                                       | 3 P                | 3821 <b>3063</b>                      | 3821 <b>3063</b>                       |                                                                   |                           |                                                              | 3 P<br>3898 <b>3080</b>            |                   |                                                          |  |
|                                       | 4 P                | 3821 <b>6063</b>                      | 3821 <b>6063</b>                       |                                                                   |                           |                                                              | 4 P<br>3898 <b>4080</b>            |                   |                                                          |  |
| 800 A<br>C1-C2-C3<br>17               | 2 P                | 3821 <b>2080</b>                      | 3821 <b>2080</b>                       |                                                                   | Black<br>3899 <b>7011</b> | 1 contact<br>NC<br>U-type<br>3999 <b>0702</b> <sup>(1)</sup> | 3898 <b>2120</b>                   |                   |                                                          |  |
|                                       | 3 P                | 3821 <b>3080</b>                      | 3821 <b>3080</b>                       |                                                                   |                           |                                                              | 3898 <b>3120</b>                   |                   |                                                          |  |
|                                       | 4 P                | 3821 <b>6080</b>                      | 3821 <b>6080</b>                       |                                                                   |                           |                                                              | 3898 <b>4120</b>                   |                   |                                                          |  |
| 1250 A<br>D1<br>18                    | 2 P                | 3821 <b>2120</b>                      | 3821 <b>2120</b>                       |                                                                   |                           | 3898 <b>2120</b><br>3898 <b>3120</b><br>3898 <b>4120</b>     |                                    |                   |                                                          |  |
|                                       | 3 P                | 3821 <b>3120</b>                      | 3821 <b>3120</b>                       |                                                                   |                           |                                                              |                                    |                   |                                                          |  |
|                                       | 4 P                | 3821 <b>6120</b>                      | 3821 <b>6120</b>                       |                                                                   |                           |                                                              |                                    |                   |                                                          |  |

(1) Max. number of U-type auxiliary contacts is 8.

(2) Lock not included.

(3) Top/bottom.

# FUSERBLOC

Fuse combination switches

for industrial fuses up to 1250 A

## References

### NFC and DIN - External front and right side operation - 25 to 125 A

| Rating (A) / Fuse / Frame size | No. of poles           | Switch I - 0 - TEST            | Changeover switch I - 0 - II | External front handle                                                                    | TEST external front handle                                                               | External right side handle                                                               | Changeover external front handle                                                         | Shaft for external handle                                                                | Auxiliary contacts <sup>(3)</sup>                                                     | Terminal shrouds <sup>(2)</sup> | Integrated solid neutral link |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
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| CD 25 A<br>10 x 38<br>0        | 3 P                    | 3631 <b>3002<sup>(1)</sup></b> | 3670 <b>3002</b>             | S1 type<br><br>Black IP65<br>1413 <b>2111</b><br><br>Red/Yellow IP65<br>1414 <b>2111</b> | S1 type<br><br>Black IP65<br>1413 <b>2115</b><br><br>Red/Yellow IP65<br>1414 <b>2115</b> | S1 type<br><br>Black IP65<br>1417 <b>2111</b><br><br>Red/Yellow IP65<br>1418 <b>2111</b> | S1 type<br><br>Black IP65<br>1413 <b>2113</b><br><br>Red/Yellow IP65<br>1414 <b>2113</b> | 320 mm<br>1401 <b>0532</b>                                                               | U-type<br><br>1 contact NO<br>3999 <b>0701</b><br><br>1contact NC<br>3999 <b>0702</b> | IP2x<br>as standard             |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P + switched neutral | 3631 <b>4002<sup>(1)</sup></b> | 3670 <b>4002</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P + solid neutral    | 3631 <b>5002<sup>(1)</sup></b> |                              |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
| CD 32 A<br>10 x 38<br>0        | 3 P                    | 3631 <b>3003</b>               | 3670 <b>3003</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               | S2 type<br><br>Black IP65<br>1423 <b>2111</b><br><br>Red/Yellow IP65<br>1424 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2115</b><br><br>Red/Yellow IP65<br>1424 <b>2115</b> | S2 type<br><br>Black IP65<br>1427 <b>2111</b><br><br>Red/Yellow IP65<br>1428 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2113</b><br><br>Red/Yellow IP65<br>1424 <b>2113</b> | 320 mm<br>1400 <b>1032<sup>(2)</sup></b>                                                 | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9310</b> |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P + switched neutral | 3631 <b>4003</b>               | 3670 <b>4003</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P + solid neutral    | 3631 <b>5003</b>               |                              |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
| CD 32 A<br>14 x 51<br>0        | 3 P                    | 3631 <b>3004<sup>(1)</sup></b> | 3670 <b>3004</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  | S2 type<br><br>Black IP65<br>1423 <b>2111</b><br><br>Red/Yellow IP65<br>1424 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2115</b><br><br>Red/Yellow IP65<br>1424 <b>2115</b> | S2 type<br><br>Black IP65<br>1427 <b>2111</b><br><br>Red/Yellow IP65<br>1428 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2113</b><br><br>Red/Yellow IP65<br>1424 <b>2113</b> | 320 mm<br>1400 <b>1032<sup>(2)</sup></b> | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9310</b> |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P + switched neutral | 3631 <b>4004<sup>(1)</sup></b> | 3670 <b>4004</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P + solid neutral    | 3631 <b>5004<sup>(1)</sup></b> |                              |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
| 50 A<br>14 x 51<br>11          | 2 P                    | 3831 <b>2005</b>               |                              |                                                                                          |                                                                                          |                                                                                          |                                                                                          | S2 type<br><br>Black IP65<br>1423 <b>2111</b><br><br>Red/Yellow IP65<br>1424 <b>2111</b> |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  | S2 type<br><br>Black IP65<br>1423 <b>2115</b><br><br>Red/Yellow IP65<br>1424 <b>2115</b> | S2 type<br><br>Black IP65<br>1427 <b>2111</b><br><br>Red/Yellow IP65<br>1428 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2113</b><br><br>Red/Yellow IP65<br>1424 <b>2113</b> | 320 mm<br>1400 <b>1032<sup>(2)</sup></b> | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9310</b> |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P                    | 3831 <b>3005<sup>(1)</sup></b> | 3870 <b>3005</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 4 P                    | 3831 <b>6005<sup>(1)</sup></b> | 3870 <b>6005</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
| 63 A<br>00C<br>12              | 2 P                    | 3831 <b>2006</b>               |                              |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          | S2 type<br><br>Black IP65<br>1423 <b>2111</b><br><br>Red/Yellow IP65<br>1424 <b>2111</b> |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  | S2 type<br><br>Black IP65<br>1423 <b>2115</b><br><br>Red/Yellow IP65<br>1424 <b>2115</b> | S2 type<br><br>Black IP65<br>1427 <b>2111</b><br><br>Red/Yellow IP65<br>1428 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2113</b><br><br>Red/Yellow IP65<br>1424 <b>2113</b> | 320 mm<br>1400 <b>1032<sup>(2)</sup></b> | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9310</b> |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 3 P                    | 3831 <b>3006<sup>(1)</sup></b> | 3870 <b>3006</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 4 P                    | 3831 <b>6006<sup>(1)</sup></b> | 3870 <b>6006</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
| 100 A<br>22 x 58<br>13         | 2 P                    | 3831 <b>2010</b>               |                              | S2 type<br><br>Black IP65<br>1423 <b>2111</b><br><br>Red/Yellow IP65<br>1424 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2115</b><br><br>Red/Yellow IP65<br>1424 <b>2115</b> | S2 type<br><br>Black IP65<br>1427 <b>2111</b><br><br>Red/Yellow IP65<br>1428 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2113</b><br><br>Red/Yellow IP65<br>1424 <b>2113</b> |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          | 320 mm<br>1400 <b>1032<sup>(2)</sup></b> |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9310</b> |                                                                               |                  |                                                                               |                  |
|                                | 3 P                    | 3831 <b>3010<sup>(1)</sup></b> | 3870 <b>3010</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 4 P                    | 3831 <b>6010<sup>(1)</sup></b> | 3870 <b>6010</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
| 125 A<br>22 x 58<br>13         | 2 P                    | 3831 <b>2011</b>               |                              |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               | S2 type<br><br>Black IP65<br>1423 <b>2111</b><br><br>Red/Yellow IP65<br>1424 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2115</b><br><br>Red/Yellow IP65<br>1424 <b>2115</b> | S2 type<br><br>Black IP65<br>1427 <b>2111</b><br><br>Red/Yellow IP65<br>1428 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2113</b><br><br>Red/Yellow IP65<br>1424 <b>2113</b> |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          | 320 mm<br>1400 <b>1032<sup>(2)</sup></b> |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9310</b> |                                                                               |                  |
|                                | 3 P                    | 3831 <b>3011</b>               | 3870 <b>3011</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 4 P                    | 3831 <b>6011</b>               | 3870 <b>6011</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
| 125 A<br>00<br>13              | 2 P                    | 3831 <b>2012</b>               |                              |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  | S2 type<br><br>Black IP65<br>1423 <b>2111</b><br><br>Red/Yellow IP65<br>1424 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2115</b><br><br>Red/Yellow IP65<br>1424 <b>2115</b> | S2 type<br><br>Black IP65<br>1427 <b>2111</b><br><br>Red/Yellow IP65<br>1428 <b>2111</b> | S2 type<br><br>Black IP65<br>1423 <b>2113</b><br><br>Red/Yellow IP65<br>1424 <b>2113</b> |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          | 320 mm<br>1400 <b>1032<sup>(2)</sup></b> |                                                                               |                  |                                                                               |                  |                                                                               |                  | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9310</b> |
|                                | 3 P                    | 3831 <b>3012</b>               | 3870 <b>3012</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |
|                                | 4 P                    | 3831 <b>6012</b>               | 3870 <b>6012</b>             |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                       |                                 |                               |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                                          |                                                                                          |                                                                                          |                                          |                                                                               |                  |                                                                               |                  |                                                                               |                  |                                                                               |                  |

(1) Available enclosed (see page "Enclosed fuse switches" page 730).

(2) Top/bottom.

(3) Maximum 4 contacts.

## NFC and DIN - External front and right side operation - 160 to 1250 A

| Rating (A) /<br>Fuse /<br>Frame size | No. of<br>poles | Switch<br>I - TEST             | Changeover<br>switch<br>I - 0 - II | External<br>front handle                         | TEST<br>external front<br>handle                 | External<br>right side<br>handle                 | Changeover<br>external<br>front handle           | Shaft for<br>external<br>handle | Auxiliary<br>contacts <sup>(3)</sup>              | Terminal<br>shrouds <sup>(2)</sup>                                            | Integrated<br>solid neutral<br>link |
|--------------------------------------|-----------------|--------------------------------|------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------|
| 160 A<br>00<br>13                    | 2 P             | 3831 <b>2015</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   | 2 P<br>3998 <b>2016</b><br>3 P<br>3998 <b>3016</b><br>4 P<br>3998 <b>4016</b> | 3829 <b>9320</b>                    |
|                                      | 3 P             | 3831 <b>3015</b>               | 3870 <b>3015</b>                   |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3831 <b>6015</b>               | 3870 <b>6015</b>                   |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
| 160 A<br>0<br>14                     | 2 P             | 3831 <b>2016</b>               |                                    | S2 type<br><br>Black<br>IP65<br>1423 <b>2111</b> | S2 type<br><br>Black<br>IP65<br>1423 <b>2115</b> | S2 type<br><br>Black<br>IP65<br>1427 <b>2111</b> | S2 type<br><br>Black<br>IP65<br>1423 <b>2113</b> | 320 mm<br>1400 <b>1032</b>      |                                                   |                                                                               |                                     |
|                                      | 3 P             | 3831 <b>3016<sup>(1)</sup></b> | 3870 <b>3016</b>                   |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3831 <b>6016<sup>(1)</sup></b> | 3870 <b>6016</b>                   |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
| 250 A<br>1<br>15                     | 2 P             | 3831 <b>2024</b>               |                                    | Red/Yellow<br>IP65<br>1424 <b>2111</b>           | Red/Yellow<br>IP65<br>1424 <b>2115</b>           | Red/Yellow<br>IP65<br>1428 <b>2111</b>           | Red/Yellow<br>IP65<br>1424 <b>2113</b>           |                                 |                                                   | 2 P<br>3998 <b>2025</b><br>3 P<br>3998 <b>3025</b><br>4 P<br>3998 <b>4025</b> | 3829 <b>9325</b>                    |
|                                      | 3 P             | 3831 <b>3024<sup>(1)</sup></b> | 3870 <b>3024</b>                   |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3831 <b>6024<sup>(1)</sup></b> | 3870 <b>6024</b>                   |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
| 400 A<br>2<br>16                     | 2 P             | 3831 <b>2038</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 | U-type<br><br>1 contact<br>NO<br>3999 <b>0701</b> | 2 P<br>3898 <b>2040</b><br>3 P<br>3898 <b>3040</b><br>4 P<br>3898 <b>4040</b> | 3829 <b>9339</b>                    |
|                                      | 3 P             | 3831 <b>3038<sup>(1)</sup></b> | 3870 <b>3039<sup>(4)</sup></b>     |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3831 <b>6038<sup>(1)</sup></b> | 3870 <b>6039<sup>(4)</sup></b>     |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
| 630 A<br>3<br>17                     | 2 P             | 3811 <b>2063</b>               |                                    | S3 type<br><br>Black<br>IP65<br>1433 <b>3111</b> |                                                  |                                                  |                                                  |                                 | 1 contact<br>NC<br>3999 <b>0702</b>               | 2 P<br>3898 <b>2080</b><br>3 P<br>3898 <b>3080</b><br>4 P<br>3898 <b>4080</b> | 3829 <b>9308</b>                    |
|                                      | 3 P             | 3811 <b>3063<sup>(1)</sup></b> |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3811 <b>6063<sup>(1)</sup></b> |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
| 800 A<br>3<br>17                     | 2 P             | 3811 <b>2080</b>               |                                    | Red/Yellow<br>IP65<br>1434 <b>3111</b>           |                                                  | S3 type<br><br>Black<br>IP65<br>1437 <b>3111</b> |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 3 P             | 3811 <b>3080</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3811 <b>6080</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
| 800 A<br>4<br>18                     | 2 P             | 3811 <b>2081</b>               |                                    | S4 type<br><br>Black<br>IP65<br>1443 <b>3111</b> |                                                  | Red/Yellow<br>IP65<br>1438 <b>3111</b>           |                                                  | 320 mm<br>1400 <b>1232</b>      |                                                   |                                                                               |                                     |
|                                      | 3 P             | 3811 <b>3081</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3811 <b>6081</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
| 1250 A<br>4<br>18                    | 2 P             | 3811 <b>2120</b>               |                                    | Red/Yellow<br>IP65<br>1444 <b>3111</b>           |                                                  |                                                  |                                                  |                                 |                                                   | 2 P<br>3898 <b>2120</b><br>3 P<br>3898 <b>3120</b><br>4 P<br>3898 <b>4120</b> | 3829 <b>9312</b>                    |
|                                      | 3 P             | 3811 <b>3120</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |
|                                      | 4 P             | 3811 <b>6120</b>               |                                    |                                                  |                                                  |                                                  |                                                  |                                 |                                                   |                                                                               |                                     |

(1) Available enclosed (see "Enclosed fuse switches" page 730).

(2) Top/bottom.

(3) Maximum 4 contacts.

(4) Terminal shrouds: 3 P - 3998 3025, 4 P - 3998 4025.

# FUSERBLOC

## Fuse combination switches

for industrial fuses up to 1250 A

### References (continued)

#### NFC and DIN - Direct operation - 25 to 125 A

| Rating (A)<br>Fuse size<br>Frame size | No. of poles              | Direct side<br>operation | Direct front<br>operation | Direct handle                               | Auxiliary<br>contacts                                                                                                                     | Terminal<br>shrouds                                                                                                        | Cage<br>terminals                                      | Lock for fuse<br>protection<br>cover | Handle key<br>interlocking<br>accessories <sup>(6)</sup> |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|---------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------|------------------|------------------|
| CD 25 A<br>10 x 38<br>0               | 3 P                       |                          | 3631 <b>3002</b>          | Black<br>3629 <b>4012</b> <sup>(1)(2)</sup> | A-type<br>1 contact<br>NO/NC<br>3999 <b>0001</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0002</b> <sup>(3)</sup> . | IP2x<br>as standard                                                                                                        | Standard                                               | Standard                             |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 3 P + switched<br>neutral |                          | 3631 <b>4002</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 3 P + solid<br>neutral    |                          | 3631 <b>5002</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
| CD 32 A<br>10 x 38<br>0               | 3 P                       |                          | 3631 <b>3003</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          | A-type<br>1 contact<br>NO/NC<br>3999 <b>0001</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0002</b> <sup>(3)</sup> . | IP2x<br>as standard                                                                                                                     | Standard                                                                                                                   | Standard                                               |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 3 P + switched<br>neutral |                          | 3631 <b>4003</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 3 P + solid<br>neutral    |                          | 3631 <b>5003</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
| CD 32 A<br>14 x 51<br>0               | 3 P                       |                          | 3631 <b>3004</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  | A-type<br>1 contact<br>NO/NC<br>3999 <b>0001</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0002</b> <sup>(3)</sup> . | IP2x<br>as standard                                                                                                                     | Standard                                                                                                                   | Standard                                               |                  |                  |                  |
|                                       | 3 P + switched<br>neutral |                          | 3631 <b>4004</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 3 P + solid<br>neutral    |                          | 3631 <b>5004</b>          |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
| 50 A<br>14 x 51<br>1                  | 2 P                       | 3615 <b>2005</b>         | consult us                | Black<br>3629 <b>7900</b> <sup>(5)(2)</sup> | A-type<br>1 contact<br>NO/NC<br>3999 <b>0021</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0022</b> <sup>(3)</sup>   | 2 P<br>3998 <b>2016</b> <sup>(4)</sup><br>3 P<br>3998 <b>3016</b> <sup>(4)</sup><br>4 P<br>3998 <b>4016</b> <sup>(4)</sup> | 3 P<br>5400 <b>3016</b><br><br>4 P<br>5400 <b>4016</b> | 3999 <b>8912</b>                     | 3629 <b>7903</b>                                         |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 3 P                       | 3615 <b>3005</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 4 P                       | 3615 <b>6005</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
| 63 A<br>00C<br>2                      | 2 P                       | 3615 <b>2006</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          | Black<br>3629 <b>7901</b> <sup>(5)(2)</sup>                                                                                               | A-type<br>1 contact<br>NO/NC<br>3999 <b>0021</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0022</b> <sup>(3)</sup> | 2 P<br>3998 <b>2016</b> <sup>(4)</sup><br>3 P<br>3998 <b>3016</b> <sup>(4)</sup><br>4 P<br>3998 <b>4016</b> <sup>(4)</sup> | 3 P<br>5400 <b>3016</b><br><br>4 P<br>5400 <b>4016</b> | 3999 <b>8912</b> |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  | 3629 <b>7913</b> |                  |
|                                       | 3 P                       | 3615 <b>3006</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 4 P                       | 3615 <b>6006</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
| 100 A<br>22 x 58<br>3                 | 2 P                       | 3615 <b>2010</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  | Black<br>3629 <b>7901</b> <sup>(5)(2)</sup>                                                                                               | A-type<br>1 contact<br>NO/NC<br>3999 <b>0021</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0022</b> <sup>(3)</sup> | 2 P<br>3998 <b>2016</b> <sup>(4)</sup><br>3 P<br>3998 <b>3016</b> <sup>(4)</sup><br>4 P<br>3998 <b>4016</b> <sup>(4)</sup> | 3 P<br>5400 <b>3016</b><br><br>4 P<br>5400 <b>4016</b> | 3999 <b>8912</b> |                  | 3629 <b>7913</b> |
|                                       | 3 P                       | 3615 <b>3010</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 4 P                       | 3615 <b>6010</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
| 125 A<br>22 x 58<br>3                 | 2 P                       | 3615 <b>2011</b>         | consult us                | Black<br>3629 <b>7901</b> <sup>(5)(2)</sup> | A-type<br>1 contact<br>NO/NC<br>3999 <b>0021</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0022</b> <sup>(3)</sup>   | 2 P<br>3998 <b>2016</b> <sup>(4)</sup><br>3 P<br>3998 <b>3016</b> <sup>(4)</sup><br>4 P<br>3998 <b>4016</b> <sup>(4)</sup> | 3 P<br>5400 <b>3016</b><br><br>4 P<br>5400 <b>4016</b> | 3999 <b>8912</b>                     | 3629 <b>7913</b>                                         |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 3 P                       | 3615 <b>3011</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 4 P                       | 3615 <b>6011</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
| 125 A<br>00<br>3                      | 2 P                       | 3615 <b>2012</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          | Black<br>3629 <b>7901</b> <sup>(5)(2)</sup>                                                                                               | A-type<br>1 contact<br>NO/NC<br>3999 <b>0021</b> <sup>(3)</sup><br><br>A-type<br>2 contacts<br>NO/NC<br>3999 <b>0022</b> <sup>(3)</sup> | 2 P<br>3998 <b>2016</b> <sup>(4)</sup><br>3 P<br>3998 <b>3016</b> <sup>(4)</sup><br>4 P<br>3998 <b>4016</b> <sup>(4)</sup> | 3 P<br>5400 <b>3016</b><br><br>4 P<br>5400 <b>4016</b> | 3999 <b>8912</b> |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  | 3629 <b>7913</b> |                  |
|                                       | 3 P                       | 3615 <b>3012</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |
|                                       | 4 P                       | 3615 <b>6012</b>         | consult us                |                                             |                                                                                                                                           |                                                                                                                            |                                                        |                                      |                                                          |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                                                                                                                                           |                                                                                                                                         |                                                                                                                            |                                                        |                  |                  |                  |

(1) Direct front operation.

(2) Standard.

(3) Maximum 2 contacts.

(4) Top or bottom.

(5) Direct right side operation.

(6) Locking using RONIS EL11AP lock (lock not included).

## NFC and DIN - Direct operation - 160 to 400 A

| Rating (A)<br>Fuse size<br>Frame size | No. of poles | Direct side operation | Direct front operation | Direct handle                               | Auxiliary contacts                                               | Terminal shrouds                                                                 | Cage terminals                                     | Lock for fuse protection cover | Handle key interlocking accessories <sup>(5)</sup> |
|---------------------------------------|--------------|-----------------------|------------------------|---------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|----------------------------------------------------|
| 160 A<br>00<br>3                      | 2 P          | 3615 <b>2015</b>      | consult us             | Black<br>3629 <b>7901</b> <sup>(4)(1)</sup> |                                                                  | 2 P<br>3998 <b>2016</b> <sup>(3)</sup>                                           | 3 P<br>5400 <b>3016</b><br>4 P<br>5400 <b>4016</b> | 3999 <b>8912</b>               | 3629 <b>7913</b>                                   |
|                                       | 3 P          | 3615 <b>3015</b>      | consult us             |                                             |                                                                  | 3 P<br>3998 <b>3016</b> <sup>(3)</sup>                                           |                                                    |                                |                                                    |
|                                       | 4 P          | 3615 <b>6015</b>      | consult us             |                                             |                                                                  | 4 P<br>3998 <b>4016</b> <sup>(3)</sup>                                           |                                                    |                                |                                                    |
| 160 A<br>0<br>4                       | 2 P          | 3615 <b>2016</b>      | consult us             | Black<br>3629 <b>7901</b> <sup>(4)(1)</sup> | A-type<br>1 contact<br>NO/NC<br>3999 <b>0021</b> <sup>(2)</sup>  |                                                                                  |                                                    | 3999 <b>8216</b>               |                                                    |
|                                       | 3 P          | 3615 <b>3016</b>      | consult us             |                                             |                                                                  |                                                                                  |                                                    | 3999 <b>8316</b>               |                                                    |
|                                       | 4 P          | 3615 <b>6016</b>      | consult us             |                                             |                                                                  |                                                                                  |                                                    | 3999 <b>8416</b>               |                                                    |
| 250 A<br>1<br>5                       | 2 P          | 3615 <b>2024</b>      | consult us             |                                             | A-type<br>2 contacts<br>NO/NC<br>3999 <b>0022</b> <sup>(2)</sup> | 2 P<br>3998 <b>2025</b> <sup>(3)</sup><br>3 P<br>3998 <b>3025</b> <sup>(3)</sup> | 3 P<br>5400 <b>3025</b><br>4 P<br>5400 <b>4025</b> | 3999 <b>8225</b>               |                                                    |
|                                       | 3 P          | 3615 <b>3024</b>      | consult us             |                                             |                                                                  |                                                                                  |                                                    | 3999 <b>8325</b>               |                                                    |
|                                       | 4 P          | 3615 <b>6024</b>      | consult us             |                                             |                                                                  |                                                                                  |                                                    | 3999 <b>8425</b>               |                                                    |
| 400 A<br>2<br>6                       | 2 P          | 3615 <b>2039</b>      | consult us             |                                             |                                                                  | 4 P<br>3998 <b>4025</b> <sup>(3)</sup>                                           | 3 P<br>5400 <b>3040</b><br>4 P<br>5400 <b>4040</b> | 3999 <b>8240</b>               |                                                    |
|                                       | 3 P          | 3615 <b>3039</b>      | consult us             |                                             |                                                                  |                                                                                  |                                                    | 3999 <b>8340</b>               |                                                    |
|                                       | 4 P          | 3615 <b>6039</b>      | consult us             |                                             |                                                                  |                                                                                  |                                                    | 3999 <b>8440</b>               |                                                    |

(1) Standard.

(2) Maximum 2 contacts.

(3) Top/bottom.

(4) Direct right side operation.

(5) Locking using RONIS EL11AP lock (lock not included).

## NFC and DIN - Direct operation - 630 to 1250 A

| Rating (A)<br>Fuse size<br>Frame size | No. of poles | Direct side and front<br>operation | Direct front handle                         | Direct side handle                                            | Auxiliary contacts                                                                                                   | Terminal shrouds                            |                                                               |                                                                                                                      |                                        |  |  |  |
|---------------------------------------|--------------|------------------------------------|---------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|--|
| 630 A<br>3<br>17                      | 2 P          | 3811 <b>2063</b>                   | Black<br>3899 <b>6011</b> <sup>(1)(2)</sup> | S3 type<br>Black<br>3899 <b>7911</b><br>+<br>1437 <b>3111</b> | U-type<br><br>1 contact NO<br>3999 <b>0701</b> <sup>(4)</sup><br><br>1 contact NC<br>3999 <b>0702</b> <sup>(4)</sup> | 2 P<br>3898 <b>2080</b> <sup>(3)</sup>      |                                                               |                                                                                                                      |                                        |  |  |  |
|                                       | 3 P          | 3811 <b>3063</b>                   |                                             |                                                               |                                                                                                                      | 3 P<br>3898 <b>3080</b> <sup>(3)</sup>      |                                                               |                                                                                                                      |                                        |  |  |  |
|                                       | 4 P          | 3811 <b>6063</b>                   |                                             |                                                               |                                                                                                                      | 4 P<br>3898 <b>4080</b> <sup>(3)</sup>      |                                                               |                                                                                                                      |                                        |  |  |  |
| 800 A<br>3<br>17                      | 2 P          | 3811 <b>2080</b>                   |                                             |                                                               |                                                                                                                      | Black<br>3899 <b>7011</b> <sup>(1)(2)</sup> | S3 type<br>Black<br>3899 <b>7911</b><br>+<br>1437 <b>3111</b> | U-type<br><br>1 contact NO<br>3999 <b>0701</b> <sup>(4)</sup><br><br>1 contact NC<br>3999 <b>0702</b> <sup>(4)</sup> | 4 P<br>3898 <b>4080</b> <sup>(3)</sup> |  |  |  |
|                                       | 3 P          | 3811 <b>3080</b>                   |                                             |                                                               |                                                                                                                      |                                             |                                                               |                                                                                                                      |                                        |  |  |  |
|                                       | 4 P          | 3811 <b>6080</b>                   |                                             |                                                               |                                                                                                                      |                                             |                                                               |                                                                                                                      |                                        |  |  |  |
| 800 A<br>4<br>18                      | 2 P          | 3811 <b>2081</b>                   | Black<br>3899 <b>7011</b> <sup>(1)(2)</sup> | S3 type<br>Black<br>3899 <b>7911</b><br>+<br>1437 <b>3111</b> | U-type<br><br>1 contact NO<br>3999 <b>0701</b> <sup>(4)</sup><br><br>1 contact NC<br>3999 <b>0702</b> <sup>(4)</sup> |                                             |                                                               |                                                                                                                      | 2 P<br>3898 <b>2120</b> <sup>(3)</sup> |  |  |  |
|                                       | 3 P          | 3811 <b>3081</b>                   |                                             |                                                               |                                                                                                                      |                                             |                                                               |                                                                                                                      | 3 P<br>3898 <b>3120</b> <sup>(3)</sup> |  |  |  |
|                                       | 4 P          | 3811 <b>6081</b>                   |                                             |                                                               |                                                                                                                      |                                             |                                                               |                                                                                                                      | 4 P<br>3898 <b>4120</b> <sup>(3)</sup> |  |  |  |
| 1250 A<br>4<br>18                     | 2 P          | 3811 <b>2120</b>                   |                                             |                                                               |                                                                                                                      |                                             |                                                               |                                                                                                                      |                                        |  |  |  |
|                                       | 3 P          | 3811 <b>3120</b>                   |                                             |                                                               |                                                                                                                      |                                             |                                                               |                                                                                                                      |                                        |  |  |  |
|                                       | 4 P          | 3811 <b>6120</b>                   |                                             |                                                               |                                                                                                                      |                                             |                                                               |                                                                                                                      |                                        |  |  |  |

(1) Direct front operation.

(2) Standard.

(3) Top/bottom.

(4) Maximum 8 contacts.

# FUSERBLOC

## Fuse combination switches

for industrial fuses up to 1250 A

## Accessories

### Direct operation handle

| For front operation |            |            |               |                                 |
|---------------------|------------|------------|---------------|---------------------------------|
| Rating (A)          | Frame size | Figure no. | Handle colour | Reference                       |
| 20 ... 32           | 0          | 1          | Black         | 3629 <b>4012</b>                |
| 20 ... 32           | 0          | 1          | Red           | 3629 <b>4013</b>                |
| 32 ... 400          | 11 ... 16  | 2          | Black         | 3629 <b>7910</b> <sup>(1)</sup> |
| 630 ... 800         | 17         | 2          | Black         | 3899 <b>6011</b>                |
| 800 ... 1250        | 18         | 3          | Black         | 3899 <b>7011</b>                |

| For right side operation |            |            |               |                  |
|--------------------------|------------|------------|---------------|------------------|
| Rating (A)               | Frame size | Figure no. | Handle colour | Reference        |
| 32 ... 63                | 1/2        | 4          | Black         | 3629 <b>7900</b> |
| 100 ... 400              | 3 ... 6    | 4          | Black         | 3629 <b>7901</b> |
| 630 ... 1250             | 17 ... 18  | 5          | Black         | 1437 <b>7911</b> |

(1) Direct operation handle for switches 3841 xxxx and 3831 xxxx.



### External front operation handle

| Padlockable handle in position 0 |            |             |               |              |                            |                   |                  |
|----------------------------------|------------|-------------|---------------|--------------|----------------------------|-------------------|------------------|
| Rating (A)                       | Frame size | Handle type | Handle colour | Operation    | External IP <sup>(1)</sup> | Defeatable handle | Reference        |
| CD 25 ... 63                     | 0/11/12    | S1          | Black         | I - 0        | IP55                       | Yes               | 1411 <b>2111</b> |
| CD 25 ... 63                     | 0/11/12    | S1          | Black         | I - 0        | IP65                       | Yes               | 1413 <b>2111</b> |
| CD 25 ... 63                     | 0/11/12    | S1          | Red/Yellow    | I - 0        | IP65                       | Yes               | 1414 <b>2111</b> |
| CD 25 ... 63                     | 0/11/12    | S1          | Black         | I - 0 - Test | IP65                       | Yes               | 1413 <b>2115</b> |
| CD 25 ... 63                     | 0/11/12    | S1          | Red/Yellow    | I - 0 - Test | IP65                       | Yes               | 1414 <b>2115</b> |
| 100 ... 400                      | 13 ... 16  | S2          | Black         | I - 0        | IP55                       | Yes               | 1421 <b>2111</b> |
| 100 ... 400                      | 13 ... 16  | S2          | Black         | I - 0        | IP65                       | Yes               | 1423 <b>2111</b> |
| 100 ... 400                      | 13 ... 16  | S2          | Red/Yellow    | I - 0        | IP65                       | Yes               | 1424 <b>2111</b> |
| 100 ... 400                      | 13 ... 16  | S2          | Black         | I - 0 - Test | IP65                       | Yes               | 1423 <b>2115</b> |
| 100 ... 400                      | 13 ... 16  | S2          | Red/Yellow    | I - 0 - Test | IP65                       | Yes               | 1424 <b>2115</b> |
| 630 ... 800                      | 17         | S3          | Black         | I - 0        | IP65                       | Yes               | 1433 <b>3111</b> |
| 630 ... 800                      | 17         | S3          | Red/Yellow    | I - 0        | IP65                       | Yes               | 1434 <b>3111</b> |
| 800 ... 1250                     | 18         | S4          | Black         | I - 0        | IP65                       | Yes               | 1443 <b>3111</b> |
| 800 ... 1250                     | 18         | S4          | Red/Yellow    | I - 0        | IP65                       | Yes               | 1444 <b>3111</b> |

(1) IP: protection degree according to IEC 60529 standard.

| Padlockable handle in position 0 and I |            |             |               |                            |                  |
|----------------------------------------|------------|-------------|---------------|----------------------------|------------------|
| Rating (A)                             | Frame size | Handle type | Handle colour | External IP <sup>(1)</sup> | Reference        |
| CD 25 ... 63                           | 0/11/12    | S1          | Black         | IP65                       | 1413 <b>2311</b> |
| 100 ... 400                            | 13 ... 16  | S2          | Black         | IP65                       | 1423 <b>2311</b> |

(1) IP: protection degree according to IEC 60529 standard.



### External right side operation handle

| Rating (A)   | Frame size | Handle type | Handle colour | External IP <sup>(1)</sup> | Reference        |
|--------------|------------|-------------|---------------|----------------------------|------------------|
| CD 25 ... 63 | 0/11/12    | S1          | Black         | IP55                       | 1415 <b>2111</b> |
| CD 25 ... 63 | 0/11/12    | S1          | Black         | IP65                       | 1417 <b>2111</b> |
| CD 25 ... 63 | 0/11/12    | S1          | Red/Yellow    | IP65                       | 1418 <b>2111</b> |
| 100 ... 400  | 13 ... 16  | S2          | Black         | IP55                       | 1425 <b>2111</b> |
| 100 ... 400  | 13 ... 16  | S2          | Black         | IP65                       | 1427 <b>2111</b> |
| 100 ... 400  | 13 ... 16  | S2          | Red/Yellow    | IP65                       | 1428 <b>2111</b> |
| 630 ... 1250 | 17/18      | S3          | Black         | IP65                       | 1437 <b>3111</b> |
| 630 ... 1250 | 17/18      | S3          | Red/Yellow    | IP65                       | 1438 <b>3111</b> |

(1) IP: protection degree according to IEC 60529 standard.



## External front operation handle with metal padlocking lever

| Rating (A)   | Frame size | Handle type | Handle colour | External IP <sup>(1)</sup> | Defeatable handle | Reference        |
|--------------|------------|-------------|---------------|----------------------------|-------------------|------------------|
| CD 25 ... 63 | 0/11/12    | S1          | Black         | IP65                       | Yes               | 141D <b>2911</b> |
| CD 25 ... 63 | 0/11/12    | S1          | Red/Yellow    | IP65                       | Yes               | 141E <b>2911</b> |
| 100 ... 400  | 13 ... 16  | S2          | Black         | IP65                       | Yes               | 142D <b>2911</b> |
| 100 ... 400  | 13 ... 16  | S2          | Red/Yellow    | IP65                       | Yes               | 142E <b>2911</b> |
| 600 ... 800  | 17         | S3          | Black         | IP65                       | Yes               | 143D <b>3911</b> |
| 600 ... 800  | 17         | S3          | Red/Yellow    | IP65                       | Yes               | 143E <b>3911</b> |
| 800 ... 1250 | 18         | S4          | Black         | IP65                       | Yes               | 144D <b>3911</b> |
| 800 ... 1250 | 18         | S4          | Red/Yellow    | IP65                       | Yes               | 144E <b>3911</b> |

(1) IP: protection degree according to IEC 60529 standard.



## S-type handle adapter

### Use

Enables S-type handles to be fitted in place of existing older style Socomec handles.  
Adapter can be utilised as a spacer to increase the distance between the panel door and the handle lever.

### Dimensions

Adds 12 mm to the depth of the handle.

| Handle colour | To be ordered in multiples of | External IP <sup>(1)</sup> | Reference        |
|---------------|-------------------------------|----------------------------|------------------|
| Black         | 1                             | IP65                       | 1493 <b>0000</b> |

(1) IP: protection degree according to IEC 60529 standard.



## Alternative S-type handle cover colours

### Use

For single lever handles S1, S2, S3 types and double lever handle, S4 type.  
Other colours: please consult us.

| Handle colour | To be ordered in multiples of | Handle type | Reference        |
|---------------|-------------------------------|-------------|------------------|
| Light grey    | 50                            | S1, S2      | 1401 <b>0001</b> |
| Dark grey     | 50                            | S1, S2      | 1401 <b>0011</b> |
| Light grey    | 50                            | S4          | 1401 <b>0031</b> |
| Dark grey     | 50                            | S4          | 1401 <b>0041</b> |

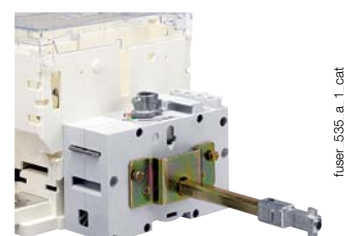


## Flat mounting kit

### Use

The flat mounting providing compact solution ideally suited to withdrawable applications.  
Kit to be used with a handle for flat mounting.

| Rating (A)      | Frame size | Type               | Reference        |
|-----------------|------------|--------------------|------------------|
| CD 25 ... CD 32 | 0          | Kit + Shaft 200 mm | 1429 <b>7709</b> |
| 50 ... 400      | 11 ... 16  | Kit + Shaft 200 mm | 1429 <b>7710</b> |



## Handle for flat mounting kit

| Padlockable handle in position 0 |            |             |               |                            |                                 |
|----------------------------------|------------|-------------|---------------|----------------------------|---------------------------------|
| Rating (A)                       | Frame size | Handle type | Handle colour | External IP <sup>(1)</sup> | Reference                       |
| CD 25 ... 63                     | 0/11/12    | S1          | Black         | IP55                       | 1411 <b>2111</b> <sup>(2)</sup> |
| CD 25 ... 63                     | 0/11/12    | S1          | Red/Yellow    | IP65                       | 1414 <b>2111</b> <sup>(2)</sup> |
| 100 ... 400                      | 13 ... 16  | S2          | Black         | IP55                       | 1421 <b>2111</b> <sup>(2)</sup> |
| 100 ... 400                      | 13 ... 16  | S2          | Red/Yellow    | IP65                       | 1424 <b>2111</b> <sup>(2)</sup> |

(1) IP: protection degree according to IEC 60529 standard.

(2) Defeatable handle in position I.



# FUSERBLOC

## Fuse combination switches

for industrial fuses up to 1250 A

## Accessories (continued)

### Front operation shaft support accessory

#### Use

This support maintains shaft position for extension shafts greater than 320 mm in length.



fuser\_698\_a\_2\_cat

| Rating (A) | Frame size | Reference |
|------------|------------|-----------|
| 50 ... 400 | 11 ... 16  | 3899 0400 |

### Shaft guide for external operation

#### Use

To guide the shaft extension into the external handle.

This accessory enables the handle to engage the extension shaft with a misalignment of up to 15 mm.

Required for a shaft lengths over 320 mm.



access\_260\_a\_2\_cat

| Description | Reference |
|-------------|-----------|
| Shaft guide | 1429 0000 |

### Shaft for external front operation handle

#### Use

Standard lengths:

- 200 mm
- 320 mm
- 400 mm
- 500 mm.

Other lengths: consult us.

| Rating (A)      | Frame size | Shaft length (mm) | Reference                |
|-----------------|------------|-------------------|--------------------------|
| CD 20 ... CD 32 | 0          | 200               | 1401 0520                |
| CD 20 ... CD 32 | 0          | 320               | 1401 0532                |
| CD 20 ... CD 32 | 0          | 400               | 1401 0540 <sup>(1)</sup> |
| 32 ... 400      | 11 ... 16  | 200               | 1400 1020                |
| 32 ... 400      | 11 ... 16  | 320               | 1400 1032                |
| 32 ... 400      | 11 ... 16  | 500               | 1400 1050 <sup>(2)</sup> |
| 630 ... 800     | 17         | 200               | 1400 1220                |
| 630 ... 1250    | 17/18      | 320               | 1400 1232                |
| 630 ... 1250    | 17/18      | 500               | 1400 1250 <sup>(1)</sup> |

(1) Use the shaft guide accessory for external operation.

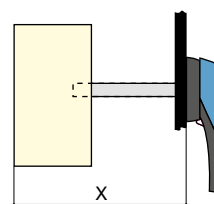
(2) Use the front operation shaft support accessory.

access\_145\_b\_1\_cat



access\_369\_a\_1\_cat

access\_202\_a\_1\_x\_cat



#### Dimension X (mm) for FUSERBLOC BS88

| Rating (A)        | CD 20 ... CD 32 | 32          | 63 ... 160  | CD160 ... CD200 | 160 ... 200 | 250 ... 315 | 630 ... 800 | 1250        |
|-------------------|-----------------|-------------|-------------|-----------------|-------------|-------------|-------------|-------------|
| Fuse size         | A1              | A1          | A2-A3/A4    | A3-A4           | B1-B2       | B1-B2-B3    | C1-C2-C3    | D1          |
| Frame size        | 0               | 11          | 12/13/14    | 13 A            | 14/15       | 15/16       | 17          | 18          |
| Shaft length (mm) |                 |             |             |                 |             |             |             |             |
| 200               | 102 ... 245     | 100 ... 230 | 125 ... 230 | 150 ... 230     | 135 ... 230 | 160 ... 230 | 270 ... 304 |             |
| 320               | 102 ... 365     | 100 ... 350 | 125 ... 350 | 150 ... 350     | 135 ... 350 | 160 ... 350 | 270 ... 424 | 304 ... 424 |
| 400               | 102 ... 445     |             |             |                 |             |             |             |             |
| 500               |                 | 100 ... 530 | 125 ... 530 | 150 ... 530     | 135 ... 530 | 160 ... 530 | 270 ... 600 | 304 ... 600 |

#### Dimension X (mm) for FUSERBLOC NFC and DIN

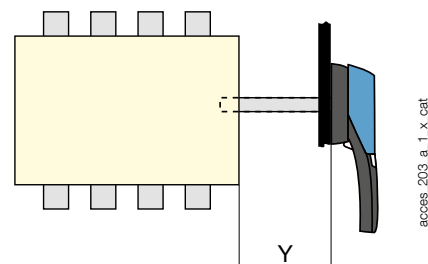
| Rating (A)        | CD 25 ... CD 32 | 50          | 63          | 100 ... 160 | 160         | 250 ... 400 | 630 ... 800 | 800 ... 1250 |
|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Fuse size         | 10x38/14x51     | 14x51       | 00C         | 22x58/00    | 0           | 1/2         | 3           | 4            |
| Frame size        | 0               | 11          | 12          | 13          | 14          | 15/16       | 17          | 18           |
| Shaft length (mm) |                 |             |             |             |             |             |             |              |
| 200               | 102 ... 245     | 100 ... 230 | 125 ... 230 | 135 ... 230 | 145 ... 230 | 160 ... 230 | 270 ... 304 |              |
| 320               | 102 ... 365     | 100 ... 350 | 125 ... 350 | 135 ... 350 | 145 ... 350 | 160 ... 350 | 270 ... 424 | 304 ... 424  |
| 400               | 102 ... 445     | 100 ... 430 | 125 ... 430 | 135 ... 430 | 145 ... 430 | 160 ... 430 | 270 ... 504 | 304 ... 504  |
| 500               |                 | 100 ... 530 | 125 ... 530 | 135 ... 530 | 145 ... 530 | 160 ... 530 | 270 ... 604 | 304 ... 604  |

## Shaft extensions for external side operation

### Use

Standard lengths, 200 mm.

| Rating (A)      | Frame size | Handle type | Dimension Y (mm) | Shaft length (mm) | Reference |
|-----------------|------------|-------------|------------------|-------------------|-----------|
| CD 25 ... CD 32 | 0          | S           | 36 ... 159       | 200               | 1401 0520 |
| 50 ... 400      | 11 ... 16  | S           | 36 ... 172       | 200               | 1400 1020 |
| 630 ... 1250    | 17/18      | S           | 15 ... 150       | 200               | 1400 1220 |



## Integrated solid neutral link

### Use

Fixing the solid neutral onto the mechanism produces a device with a solid neutral of the same size as a standard three-pole device (+ 6 mm).

| BS88 for external front operation |                  |                |           |
|-----------------------------------|------------------|----------------|-----------|
| Rating (A)                        | Switch body size | Bar rating (A) | Reference |
| 32 ... 100                        | 11/12/13         | 125            | 3829 9310 |
| CD 160 ... CD 200                 | 13a              | 200            | 3829 9320 |
| 160                               | 14               | 200            | 3829 9320 |
| 200 ... 250                       | 15               | 250            | 3829 9325 |
| 315 ... 400                       | 16               | 400            | 3829 9339 |
| 630 ... 800                       | 17               | 800            | 3829 9308 |
| 1250                              | 18               | 1250           | 3829 9312 |

| NFC and DIN For external front operation |            |                |           |
|------------------------------------------|------------|----------------|-----------|
| Rating (A)                               | Frame size | Bar rating (A) | Reference |
| 50 ... 125                               | 11/12/13   | 125            | 3829 9310 |
| 160                                      | 13         | 160            | 3829 9320 |
| 160                                      | 14         | 200            | 3829 9320 |
| 250                                      | 15         | 250            | 3829 9325 |
| 400                                      | 16         | 400            | 3829 9339 |
| 630 ... 800                              | 17         | 800            | 3829 9308 |
| 800 ... 1250                             | 18         | 1250           | 3829 9312 |



## Solid neutral module

| BS88 for external front operation |                  |                      |               |                          |
|-----------------------------------|------------------|----------------------|---------------|--------------------------|
| Rating (A)                        | Switch body size | I <sub>max</sub> (A) | Distance (mm) | Reference                |
| 32                                | 1/11             | 32                   | 27            | 3629 9227                |
| 63                                | 2/12             | 63                   | 32            | 3629 9232                |
| 100                               | 3/13             | 100                  | 36            | 3629 9236                |
| CD 160 ... CD 200                 | 13 a             | 200                  | 36            | 3629 9237                |
| 160                               | 4/14             | 160                  | 50            | 3629 9250                |
| 200 ... 250                       | 5/15             | 250                  | 60            | 3629 9260                |
| 315 ... 400                       | 6                | 400                  | 66            | 3629 9266 <sup>(1)</sup> |
| 630 ... 800                       | 17               | 800                  | 94            | 3629 9294                |
| 1250                              | 18               | 1250                 | 120           | 3629 9212                |

| NFC and DIN For external front operation |            |                      |               |                          |
|------------------------------------------|------------|----------------------|---------------|--------------------------|
| Rating (A)                               | Frame size | I <sub>max</sub> (A) | Distance (mm) | Reference                |
| 50                                       | 1/11       | 50                   | 27            | 3629 9227                |
| 63                                       | 2/12       | 63                   | 32            | 3629 9232                |
| 100 ... 160                              | 3/13       | 160                  | 36            | 3629 9236                |
| 160                                      | 4/14       | 160                  | 50            | 3629 9250                |
| 250                                      | 5/15       | 250                  | 60            | 3629 9260                |
| 400                                      | 6/16       | 400                  | 60            | 3629 9266 <sup>(1)</sup> |
| 630 ... 800                              | 17         | 800                  | 94            | 3629 9294                |
| 800 ... 1250                             | 18         | 1250                 | 120           | 3629 9212                |

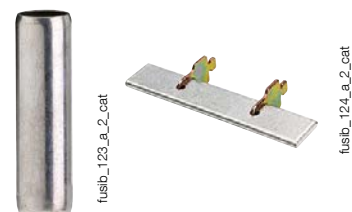


<sup>(1)</sup> For external front operation switches an adaptation kit 3999 0000 must be ordered in addition to the original product reference

## Solid links

| BS88 switches |            |             |                      |           |
|---------------|------------|-------------|----------------------|-----------|
| Rating (A)    | Frame size | Fuse size   | I <sub>max</sub> (A) | Reference |
| 32            | 11         | A1          | 32                   | 3629 9003 |
| 63            | 12         | A2-A3       | 63                   | 3629 9006 |
| 100           | 13         | A4          | 160                  | 3629 9010 |
| CD 160        | 13a        | A3-A4       | 160                  | 3629 9010 |
| 160           | 14         | A4          | 160                  | 3629 9010 |
| 160           | 14         | B1-B2       | 200                  | 3629 9016 |
| CD 200        | 13a        | A3-A4       | 160                  | 3629 9010 |
| 200           | 15         | B1-B2       | 200                  | 3629 9016 |
| 250           | 15         | B1-B2-B3    | 315                  | 3629 9025 |
| 315           | 16         | B1-B2-B3    | 315                  | 3629 9025 |
| 400           | 16         | B1-B2-B3-B4 | 400                  | 3629 9040 |
| 630 ... 800   | 17         | C1-C3       | 800                  | 3629 9063 |
| 1250          | 18         | D1          | 1250                 | 3629 9120 |

| NFC and DIN switches |            |           |                      |           |
|----------------------|------------|-----------|----------------------|-----------|
| Rating (A)           | Frame size | Fuse size | I <sub>max</sub> (A) | Reference |
| 50                   | 1/11       | 14 x 51   | 50                   | 6029 0000 |
| 63                   | 2/12       | 00C       | 160                  | 6420 0000 |
| 100 ... 125          | 3/13       | 22 x 58   | 125                  | 6039 0000 |
| 125 ... 160          | 3/13       | 00        | 160                  | 6420 0000 |
| 160                  | 4/14       | 0         | 160                  | 6421 0000 |
| 250                  | 5/15       | 1         | 250                  | 6421 0001 |
| 400                  | 6/16       | 2         | 400                  | 6421 0002 |
| 630 ... 800          | 17         | 3         | 800                  | 6421 0003 |
| 800 ... 1250         | 18         | 4         | 1250                 | 6441 0005 |



# FUSERBLOC

## Fuse combination switches

for industrial fuses up to 1250 A

## Accessories (continued)

### A-type auxiliary contacts

#### Use

Pre-break and position 0 and I signalling by 1 or 2 NO /NC auxiliary contacts. For low level use, specific auxiliary contacts: please consult us.

#### Connection to the control circuit

By 6.35 mm fast-on terminal.

#### Electrical characteristics

30 000 operations.

#### References

| NO / NC auxiliary contacts |            |            |                          |
|----------------------------|------------|------------|--------------------------|
| Rating (A)                 | Frame size | Contact(s) | Reference                |
| CD 20 ... CD 32            | 0          | 1          | 3999 0001                |
| CD 20 ... CD 32            | 0          | 2          | 3999 0002                |
| 32 ... 400 <sup>(1)</sup>  | 1 ... 6    | 1          | 3999 0021 <sup>(2)</sup> |
| 32 ... 400 <sup>(1)</sup>  | 1 ... 6    | 2          | 3999 0022 <sup>(2)</sup> |

(1) Side direct operation switch only.

(2) A type auxiliary contacts cannot be mounted in conjunction with integrated solid neutral.

#### Characteristics

| Rating (A)    | Current nominal (A) | Operating current I <sub>e</sub> (A) |                  |                 |                 |
|---------------|---------------------|--------------------------------------|------------------|-----------------|-----------------|
|               |                     | 250 VAC<br>AC-13                     | 400 VAC<br>AC-13 | 24 VDC<br>DC-13 | 48 VDC<br>DC-13 |
| CD 20 ... 400 | 16                  | 4                                    | 2                | 12              | 2               |



access\_046\_a\_1\_cat



access\_047\_a\_2\_cat

### U-type auxiliary contacts<sup>(1)</sup>

#### Use

Compact universal type auxiliary contacts which can be configured for operation in either, or both, ON and TEST positions for CD 20 to 1250 A FUSERBLOC. Each slot can accommodate up to two interlocked A/Cs.

#### Connection to the control circuit

By terminals with max. section 2 x 2.5 mm<sup>2</sup>.

For FUSERBLOC CD 20 to 400 A: Pre-break and signalling of positions 0, I and TEST.

For FUSERBLOC ≥ 630 A: Pre-break and position 0 and I signalling.

#### References

| NO auxiliary contacts |            |            |                          |
|-----------------------|------------|------------|--------------------------|
| Rating (A)            | Frame size | Contact(s) | Reference <sup>(1)</sup> |
| CD 20 ... 1250        | 0 ... 18   | 1          | 3999 0701 <sup>(2)</sup> |

| NC auxiliary contacts |            |            |                          |
|-----------------------|------------|------------|--------------------------|
| Rating (A)            | Frame size | Contact(s) | Reference <sup>(1)</sup> |
| CD 20 ... 1250        | 0 ... 18   | 1          | 3999 0702 <sup>(2)</sup> |

(1) Cannot be mounted in direct operation CD20 - CD32 switches..

(2) 4 auxiliary contacts as standard without additional A/C holder.

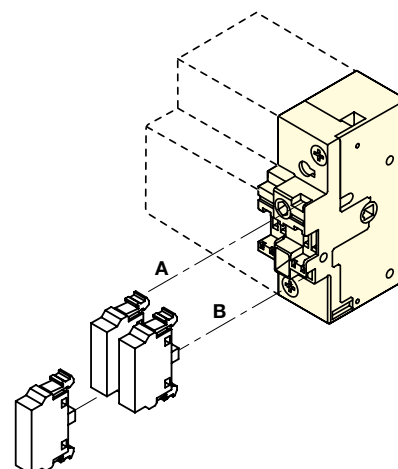
| Contact holder for additional auxiliary contacts |            |               |           |
|--------------------------------------------------|------------|---------------|-----------|
| Rating (A)                                       | Frame size | Contact(s)    | Reference |
| CD 20 ... CD 32                                  | 0          | 4 (2 x 2 max) | 3999 0710 |
| 32 ... 400                                       | 11 ... 16  | 4 (2 x 2 max) | 3999 0600 |

#### Characteristics

| Rating (A)     | Operating current I <sub>e</sub> (A) |                  |                 |                 |
|----------------|--------------------------------------|------------------|-----------------|-----------------|
|                | 250 VAC<br>AC-15                     | 400 VAC<br>AC-15 | 24 VDC<br>DC-13 | 48 VDC<br>DC-13 |
| CD 20 ... 1250 | 3                                    | 1.8              | 2.8             | 1.4             |



access\_056\_a\_1\_cat



access\_043\_a\_1\_x\_cat

(1) CD 20 - CD 32 : U-type auxiliary contacts cannot be mounted on switches with an integrated solid neutral or with direct operation handle.

## S and ST-type auxiliary contacts

### Use

For FUSERBLOCs 32 to 1250 A, position 0 and I signalling by 1 to 4 NO + NC auxiliary contacts.

### Electrical principle

The NO + NC S-type auxiliary contacts can be configured as 2 NC or 2 NO.

### References

#### S-type auxiliary contacts 0-I for external front and right-side operation (Standard operation)

| Rating (A)  | Frame size | Contact type | S-type AC Reference      | Drive shaft (optional) Reference |
|-------------|------------|--------------|--------------------------|----------------------------------|
| 32 ... 1250 | 11 ... 18  | NC+NO        | 3999 0041 <sup>(1)</sup> | 3999 0003                        |

#### ST-type auxiliary contacts I-0-TEST for external front and right-side operation (TEST operation)

| Rating (A) | Frame size | Contact type | Description | ST-type AC Reference     | Drive shaft Reference |
|------------|------------|--------------|-------------|--------------------------|-----------------------|
| 32 ... 400 | 11 ... 16  | NC+NO        | TEST + ON   | 3999 0141 <sup>(2)</sup> | 3999 0103             |
| 32 ... 400 | 11 ... 16  | 2 O          | TEST + ON   | 3999 0241 <sup>(2)</sup> | 3999 0103             |

(1) Drive shaft included with S-type Auxiliary Contact.

(2) Drive shaft to be ordered in addition to the ST-type Auxiliary Contact.

### Characteristics

| Rating (A)  | Current nominal (A) | Operating current I <sub>e</sub> (A) |               |
|-------------|---------------------|--------------------------------------|---------------|
|             |                     | 250 VAC AC-13                        | 400 VAC AC-13 |
| 32 ... 1250 | 20                  | 10                                   | 8             |

### Connection

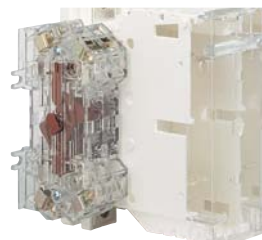
By terminals with max. cross-section 10 mm<sup>2</sup>.

### Mechanical characteristics

30 000 operations.



acces\_051\_a\_2\_cat



acces\_063\_a\_1\_cat

### Important:

- > For the 400 A frame size 16, an adaptation kit reference 3999 0000 must be ordered in addition to the auxiliary contact kit.

## Fuse cover interlocking

### Use

On NFC and DIN, side direct operation, locking of the opening of the fuse protection cover when FUSERBLOC is engaged (position I).

| Rating (A)   | Frame size | Fuse size         | No. of poles | Reference |
|--------------|------------|-------------------|--------------|-----------|
| CD 20 ... 50 | 0 ... 1    | 10 x 38 / 14 x 51 | 2 / 3 / 4    | included  |
| 63           | 2          | 00C               | 2 / 3 / 4    | 3999 8906 |
| 100 ... 125  | 3          | 22 x 58           | 2 / 3 / 4    | 3999 8912 |
| 125 ... 160  | 3          | 00                | 2 / 3 / 4    | 3999 8912 |
| 160          | 4          | 0                 | 2 P          | 3999 8216 |
| 160          | 4          | 0                 | 3 P          | 3999 8316 |
| 160          | 4          | 0                 | 4 P          | 3999 8416 |
| 250          | 5          | 1                 | 2 P          | 3999 8225 |
| 250          | 5          | 1                 | 3 P          | 3999 8325 |
| 250          | 5          | 1                 | 4 P          | 3999 8425 |
| 400          | 6          | 2                 | 2 P          | 3999 8240 |
| 400          | 6          | 2                 | 3 P          | 3999 8340 |
| 400          | 6          | 2                 | 4 P          | 3999 8440 |

## Terminal shrouds

### Use

Top or bottom IP20 protection (on the front) against direct contact with terminals or connection parts.

Two sets required to fully shroud both incoming and outgoing terminals.

| Rating (A)     | Frame size | Position     | No. of poles | Reference  |
|----------------|------------|--------------|--------------|------------|
| CD 20 ... 63   | 0/1/2/12   | top / bottom | 2 / 3 / 4 P  | integrated |
| 100 ... CD 200 | 3/4/13/14  | top / bottom | 2 P          | 3998 2016  |
| 100 ... CD 200 | 3/4/13/14  | top / bottom | 3 P          | 3998 3016  |
| 100 ... CD 200 | 3/4/13/14  | top / bottom | 4 P          | 3998 4016  |
| 200 ... 400    | 5/6/15     | top / bottom | 2 P          | 3998 2025  |
| 200 ... 400    | 5/6/15     | top / bottom | 3 P          | 3998 3025  |
| 200 ... 400    | 5/6/15     | top / bottom | 4 P          | 3998 4025  |
| 315 ... 400    | 16         | top / bottom | 2 P          | 3898 2040  |
| 315 ... 400    | 16         | top / bottom | 3 P          | 3898 3040  |
| 315 ... 400    | 16         | top / bottom | 4 P          | 3898 4040  |
| 630 ... 800    | 17         | top / bottom | 2 P          | 3898 2080  |
| 630 ... 800    | 17         | top / bottom | 3 P          | 3898 3080  |
| 630 ... 800    | 17         | top / bottom | 4 P          | 3898 4080  |
| 800 ... 1250   | 18         | top / bottom | 2 P          | 3898 2120  |
| 800 ... 1250   | 18         | top / bottom | 3 P          | 3898 3120  |
| 800 ... 1250   | 18         | top / bottom | 4 P          | 3898 4120  |



fuser\_314\_a\_1\_cat

# FUSERBLOC

## Fuse combination switches

for industrial fuses up to 1250 A

## Accessories (continued)

### NFC and DIN worked fuse indication

#### Use

For fuse cartridge with striker (size 14 x 51 22 x 58; 0; 1; 2; 3 and 4).

#### Electrical principle

A NO/NC auxiliary contact detects that the fuse has blown.

#### References

##### NO/NC type auxiliary contacts for 2 pole

| Rating (A)         | Frame size | Fuses   | Contact(s)      | Reference |
|--------------------|------------|---------|-----------------|-----------|
| 50                 | 11         | 14 x 51 | 1 <sup>st</sup> | 3994 0405 |
| 100 ... 125        | 13         | 22 x 58 | 1 <sup>st</sup> | 3994 0210 |
| 160                | 14         | 0       | 1 <sup>st</sup> | 3994 0216 |
| 250                | 15/16      | 1-2     | 1 <sup>st</sup> | 3994 0225 |
| 400 <sup>(1)</sup> | 16         | 2       | 1 <sup>st</sup> | 3894 0440 |
| 630                | 17         | 3       | 1 <sup>st</sup> | 3894 1206 |
| 800 ... 1250       | 18         | 4       | 1 <sup>st</sup> | 3894 1212 |

##### NO/NC type auxiliary contacts for 3 pole

| Rating (A)         | Frame size | Fuses   | Contact(s)      | Reference |
|--------------------|------------|---------|-----------------|-----------|
| CD 32              | 0          | 14 x 51 | 1 <sup>st</sup> | 3994 0303 |
| 50                 | 11         | 14 x 51 | 1 <sup>st</sup> | 3994 0405 |
| 100 ... 125        | 13         | 22 x 58 | 1 <sup>st</sup> | 3994 0310 |
| 160                | 14         | 0       | 1 <sup>st</sup> | 3994 0316 |
| 250                | 15/16      | 1-2     | 1 <sup>st</sup> | 3994 0325 |
| 400 <sup>(1)</sup> | 16         | 2       | 1 <sup>st</sup> | 3894 0440 |
| 630                | 17         | 3       | 1 <sup>st</sup> | 3894 1306 |
| 800 ... 1250       | 18         | 4       | 1 <sup>st</sup> | 3894 1312 |
| 50 ... 250         | 11         | -       | 2 <sup>nd</sup> | 3994 1901 |
| 400                | 16         | 2       | 2 <sup>nd</sup> | 3994 1902 |
| 630 ... 1250       | 16         | -       | 2               | 3994 1901 |

##### NO/NC type auxiliary contacts for 4 pole or 3 pole + neutral

| Rating (A)         | Frame size | Fuses   | Contact(s)      | Reference |
|--------------------|------------|---------|-----------------|-----------|
| 50                 | 11         | 14 x 51 | 1 <sup>st</sup> | 3994 0405 |
| 100 ... 125        | 13         | 22 x 58 | 1 <sup>st</sup> | 3994 0410 |
| 160                | 14         | 0       | 1 <sup>st</sup> | 3994 0416 |
| 250                | 15/16      | 1-2     | 1 <sup>st</sup> | 3994 0425 |
| 400 <sup>(1)</sup> | 16         | 2       | 1 <sup>st</sup> | 3894 0440 |
| 630                | 17         | 3       | 1 <sup>st</sup> | 3894 1406 |
| 800 ... 1250       | 18         | 4       | 1 <sup>st</sup> | 3894 1412 |
| 50 ... 250         | 11         | -       | 2 <sup>nd</sup> | 3994 1901 |
| 400                | 16         | 2       | 2 <sup>nd</sup> | 3994 1902 |
| 630 ... 1250       | 16         | -       | 2               | 3994 1901 |

(1) For front direct and external left side operation handles, please order references 39940225 (2P), 39940325 (3P), 39940425 (4P)

#### Characteristics

| Rating (A)     | Current nominal (A) | Operating current I <sub>o</sub> (A) |               |              |              |
|----------------|---------------------|--------------------------------------|---------------|--------------|--------------|
|                |                     | 250 VAC AC-13                        | 400 VAC AC-13 | 24 VDC DC-13 | 48 VDC DC-13 |
| CD 32 ... 1250 | 16                  | 4                                    | 3             | 12           | 2            |

#### Connection to the control circuit

6.35 mm fast-on terminal.

#### Mechanical characteristics

30 000 operations.



DMM for cylindrical fuses



DMM for NH fuses

fuser\_311\_a\_1\_cat

fuser\_312\_a\_1\_cat

### Electronic fuse monitoring device (FMD)

#### Use

Provides fuse state monitoring and worked fuse indication even for fuse links without monitoring device strikers. Suitable for use with BS88, DIN and UL type fuses.

#### Principle

The Fuse Monitoring Device (FMD) detects the worked fuse and provides a signal via: a relay and 1 LED (FMD10) or a bi-stable relay and 3 LEDs (FMD30).

The FMD can be DIN rail or back plate mounted close to the Fuserbloc, directly mounted on the FUSERBLOC, or it can be door mounted to provide information directly on the front of a panel.

#### References

##### For FUSERBLOC 63 to 1250A - size 000 to 4

| Nb of LEDs | Operating voltage Ph/Ph | Reference |
|------------|-------------------------|-----------|
| 1 (FMD10)  | 120 - 260 VAC           | 3899 1120 |
| 1 (FMD10)  | 380 - 690 VAC           | 3899 1380 |
| 3 (FMD30)  | 120 - 260 VAC           | 3899 3120 |
| 3 (FMD30)  | 380 - 690 VAC           | 3899 3380 |

#### Accessories

| Accessories                    | Reference    |
|--------------------------------|--------------|
| Kit for connection accessories | Standard     |
| Kit for connection accessories | Door mounted |

#### Relay characteristics

| Rating (A)  | Relay operating current I <sub>o</sub> (A) |       |
|-------------|--------------------------------------------|-------|
|             | AC-15                                      | DC-13 |
| 63 ... 1250 | 2.5 A                                      | 0.2   |



1 LED version (FMD10)



3 LED version (FMD30)

#### Important:

- > For direct mounting on the 400 A frame size 16, an adaptation kit reference 3999 0000 must be ordered in addition to the FMD.

## Cage terminals

### Use

Connection of bare copper cables onto the terminals (without lugs).

### References

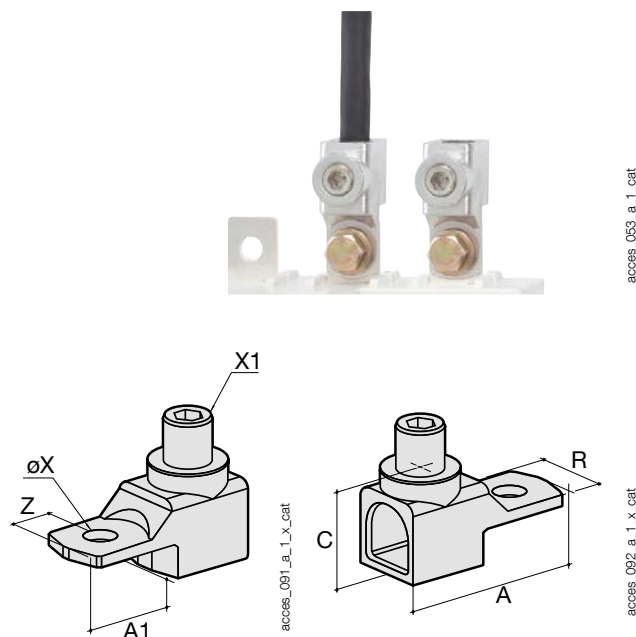
| Rating max (A) | Frame size | No. of poles | Reference        |
|----------------|------------|--------------|------------------|
| CD 20 ... 63   | 0 ... 12   | 2 / 3 / 4 P  | integrated       |
| 100 ... 160    | 13/14      | 3 P          | 5400 <b>3016</b> |
| 100 ... 160    | 13/14      | 4 P          | 5400 <b>4016</b> |
| 250            | 15         | 3 P          | 5400 <b>3025</b> |
| 250            | 15         | 4 P          | 5400 <b>4025</b> |
| 400            | 16         | 3 P          | 5400 <b>3040</b> |
| 400            | 16         | 4 P          | 5400 <b>4040</b> |

### Connections

| Rating (A)  | Flexible cable cross-section (mm²) | Rigid cable cross-section (mm²) | Flexible bar width (mm) | Stripped over (mm) |
|-------------|------------------------------------|---------------------------------|-------------------------|--------------------|
| 100 ... 160 | 16 ... 95                          | 16 ... 95                       | 13                      | 22                 |
| 250         | 16 ... 185                         | 16 ... 185                      | 18                      | 27                 |
| 400         | 50 ... 240                         | 50 ... 300                      | 20                      | 34                 |

### Dimensions

| Rating (A)  | A    | A1   | C    | R  | ØX   | X1  | Z  |
|-------------|------|------|------|----|------|-----|----|
| 100 ... 160 | 47.5 | 22.5 | 25   | 20 | 8.5  | M12 | 10 |
| 250         | 62   | 31.5 | 31.5 | 25 | 10.5 | M16 | 14 |
| 400         | 71.5 | 32   | 38   | 32 | 10.5 | M20 | 15 |



## Handle key interlocking accessories

### Use

Locking in position 0 of the direct, front or right side operation:

- using a padlock (not supplied) in direct right side operation: integrated into the handle,

- using a padlock (not supplied): right-side or front operation switch from 32 to 1250 A, factory integrated

- using a padlock (not supplied) in external operation.

### Locking using RONIS EL 11 AP lock (not supplied)

| Rating (A)     | Frame size | Operation      | Figure n° | Reference        |
|----------------|------------|----------------|-----------|------------------|
| CD 20 ... 1250 | 0 ... 18   | external front | 2         | 1499 <b>7701</b> |
| 32 ... 63      | 1/2        | direct         | 1         | 3629 <b>7903</b> |
| 100 ... 400    | 3 ... 6    | direct         | 1         | 3629 <b>7913</b> |
| 630 ... 1250   | 17 ... 18  | direct         |           | 3829 <b>7923</b> |

### Locking using K-type CASTELL lock (not supplied)

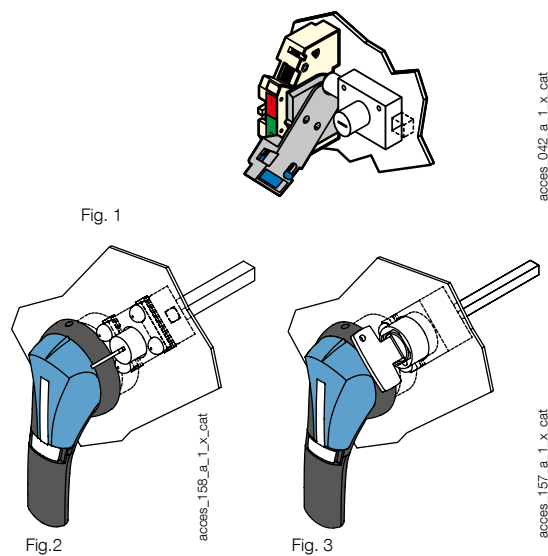
| Rating (A)     | Frame size | Operation      | Figure n° | Reference        |
|----------------|------------|----------------|-----------|------------------|
| CD 20 ... 1250 | 0 ... 18   | external front | 3         | 1499 <b>7702</b> |

### Locking using FS-type CASTELL lock (not supplied)

| Rating (A)     | Frame size | Operation      | Figure n° | Reference        |
|----------------|------------|----------------|-----------|------------------|
| CD 20 ... 1250 | 0 ... 18   | external front | 3         | 1499 <b>7703</b> |

### Locking using XOP (not supplied)

| Rating (A)     | Frame size | Operation      | Reference        |
|----------------|------------|----------------|------------------|
| CD 20 ... 1250 | 0 18       | external front | 1499 <b>7702</b> |



## Label holder

### Use

Recognisable self-adhesive label allowing identification of the devices.

| Dimensions W x H (mm) | Nb of pieces in KIT | Reference        |
|-----------------------|---------------------|------------------|
| 18 x 13               | 5                   | 7769 <b>9999</b> |



## Characteristics according to IEC 60947-3

### 20 to 100 A

| Thermal current $I_{th}$ (40°C)                | 20 A | 25 A      | CD 32 A   | CD 32 A    | 32 A | 50 A      | 63 A      | 100 A       |
|------------------------------------------------|------|-----------|-----------|------------|------|-----------|-----------|-------------|
| BS88/DIN fuse size                             | A1/- | -/10 x 38 | -/10 x 38 | A1/14 x 51 | A1/- | -/14 x 51 | A2-A3/00C | A4*/22 x 58 |
| Frame size for direct operation                | 0    | 0         | 0         | 0          | 1    | 1         | 2         | 3           |
| Switch body size for front and side operation  | 0    | 0         | 0         | 0          | 11   | 11        | 12        | 13          |
| Rated insulation voltage $U_i$ (V)             | 800  | 800       | 800       | 800        | 800  | 800       | 800       | 800         |
| Rated impulse withstand voltage $U_{imp}$ (kV) | 8    | 8         | 8         | 8          | 8    | 8         | 8         | 8           |

### Rated operational currents $I_e$ (A)

| Rated voltage | Utilisation category | A/B <sup>(1)</sup> | A/B <sup>(1)</sup>  | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup>                   | A/B <sup>(1)</sup>                   | A/B <sup>(1)</sup>                   | A/B <sup>(1)</sup>                      |
|---------------|----------------------|--------------------|---------------------|--------------------|--------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------------|
| 400 VAC       | AC-22 A / AC-22 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100/100                                 |
| 400 VAC       | AC-23 A / AC-23 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100/100                                 |
| 690 VAC       | AC-22 A / AC-22 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100 <sup>(2)</sup> /100 <sup>(2)</sup>  |
| 690 VAC       | AC-23 A / AC-23 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100 <sup>(2)</sup> /100 <sup>(2)</sup>  |
| 220 VDC       | DC-20 A / DC-20 B    |                    |                     | -/32               |                    | 32/32                                | 50/50                                | 63/63                                | 100/100                                 |
| 220 VDC       | DC-21 A / DC-21 B    |                    | -/25 <sup>(4)</sup> |                    |                    | 32/32                                | 40/40                                | 40/40                                | 100/100                                 |
| 440 VDC       | DC-20 A / DC-20 B    |                    |                     |                    |                    | 32 <sup>(3)</sup> /32 <sup>(3)</sup> | 50 <sup>(3)</sup> /50 <sup>(3)</sup> | 63 <sup>(3)</sup> /63 <sup>(3)</sup> | 100 <sup>(3)</sup> /100 <sup>(3)</sup>  |
| 440 VDC       | DC-21 A / DC-21 B    |                    |                     |                    |                    | 32 <sup>(3)</sup> /32 <sup>(3)</sup> | 40 <sup>(3)</sup> /40 <sup>(3)</sup> | 40 <sup>(3)</sup> /40 <sup>(3)</sup> | 100 <sup>(3)</sup> / 100 <sup>(3)</sup> |

### Operational power in AC-23 (kW)

|                                                      |       |       |       |       |       |       |       |       |
|------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| At 400 VAC without pre-break in AC <sup>(1)(5)</sup> | 9/9   | 11/11 | 15/15 | 15/15 | 15/15 | 25/25 | 30/30 | 51/51 |
| At 690 VAC without pre-break in AC <sup>(1)(5)</sup> | 15/15 | 22/22 | 25/25 | 25/25 | 25/25 | 45/45 | 55/55 | 90/90 |

### Reactive power (kvar)

|                           |   |    |    |    |    |    |    |    |
|---------------------------|---|----|----|----|----|----|----|----|
| At 400 VAC <sup>(5)</sup> | 8 | 11 | 15 | 15 | 15 | 23 | 28 | 45 |
|---------------------------|---|----|----|----|----|----|----|----|

### Fuse protected short-circuit withstand BS88/DIN (kA rms prospective)

|                                                   |      |       |       |        |        |       |        |         |
|---------------------------------------------------|------|-------|-------|--------|--------|-------|--------|---------|
| Prospective short-circuit (kA rms) <sup>(6)</sup> | 80/- | -/100 | -/100 | 80/100 | 80/100 | -/100 | 80/100 | 80/100  |
| Associated fuse rating (A) <sup>(6)</sup>         | 20/- | -/25  | -/32  | 32/32  | 32/32  | -/50  | 63/63  | 100/100 |

### Short-circuit capacity

|                                                       |     |     |     |     |   |     |      |    |
|-------------------------------------------------------|-----|-----|-----|-----|---|-----|------|----|
| Rated peak withstand current (kA peak) <sup>(6)</sup> | 5.5 | 5.5 | 5.5 | 5.5 | 9 | 7.6 | 10.6 | 20 |
|-------------------------------------------------------|-----|-----|-----|-----|---|-----|------|----|

### Fuse selection (maximum fuse size)\*\*

|                                       |            |           |           |            |            |           |           |              |
|---------------------------------------|------------|-----------|-----------|------------|------------|-----------|-----------|--------------|
| SOCOMECS BS88 - Standard max          | 6A10 0020  | 6012 0025 | 6012 0032 | 6A10 0032  | 6A10 0032  |           | 6A30 0063 | 6A40 0100    |
| SOCOMECS BS88 - Motor max             | 6A1M 0032  | 6013 0025 | 6013 0032 | 6A1M 0063  | 6A1M 0032  |           | 6A3M 0080 | 6A4M 0125    |
| SOCOMECS DIN - Distribution (gl - gG) |            |           |           |            |            | 6022 0050 | 6600 0063 | 6032 0100    |
| SOCOMECS DIN - Motor (aM)             |            |           |           |            |            | 6023 0050 | 6601 0063 | 6033 0100    |
| BUSSMANN - Standard max               | NITD 20    |           |           | NITD 32    | NITD 32    |           | BAO 63    | CEO 100      |
| BUSSMANN - Motor max                  | NITD 20M32 |           |           | NITD 32M63 | NITD 32M63 |           | BAO 63M80 | CEO 100M125  |
| LAWSON - Standard max                 | NIT 20     |           |           | NIT 32     | NIT 32     |           | TIS 63    | TCP 100      |
| LAWSON - Motor max                    | NIT 20M32  |           |           |            | NIT 20M32  |           | TIS 63M80 | CTFP 100M125 |
| GE - Standard max                     | NIT 20     |           |           | NET 32     | NET 32     |           | TIS 63    | TCP 100      |
| GE - Motor max                        | NIT 20M32  |           |           | NET 32M63  | NET 32M63  |           | TIS 63M80 | OCP 100M125  |

### Connection

|                                                   |     |     |     |     |       |       |       |        |
|---------------------------------------------------|-----|-----|-----|-----|-------|-------|-------|--------|
| Minimum Cu cable cross-section (mm <sup>2</sup> ) | 2.5 | 2.5 | 2.5 | 2.5 | 6     | 6     | 10    | 25     |
| Maximum Cu cable cross-section (mm <sup>2</sup> ) | 16  | 16  | 16  | 16  | 25    | 25    | 25    | 95     |
| Maximum busbar width (mm)                         |     |     |     |     |       |       |       | 20     |
| Min. / Max. tightening torque (Nm)                | 2/- | 2/- | 2/3 | 2   | 2.5/3 | 2.5/3 | 2.5/3 | 8.3/13 |

### Mechanical characteristics

|                                         |        |        |        |        |        |        |        |        |
|-----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Durability (number of operating cycles) | 20 000 | 20 000 | 20 000 | 20 000 | 10 000 | 10 000 | 10 000 | 10 000 |
| Weight of 3 P switch (kg)               | 0.48   | 0.48   | 0.48   | 0.50   | 0.80   | 0.80   | 1      | 1.5    |
| Weight of 4 P switch (kg)               | 0.50   | 0.50   | 0.50   | 0.52   | 1      | 1      | 1.3    | 2      |
| Weight of 1 P extra (kg)                |        |        |        |        | 0.2    | 0.2    | 0.3    | 0.5    |
| Frame pitch (mm)                        |        |        |        |        | 32     | 27     | 32     | 36     |

(1) Category with index A = frequent operation - Category with index B = infrequent operation.

(2) With terminal shrouds or terminal screen.

(3) 4-pole device with 2 pole in series by polarity.

(4) 3-pole device with 2 poles "+" in series and 1 pole "-".

(5) The power value is given for information only, the current values vary from one manufacturer to another.

(6) For a rated operational voltage  $U_e = 400$  VAC.

\* For fuse size A4: max diameter 31 mm.

\*\* Please ensure that fuse let through current does not exceed short-circuit capacity of the switch (kA peak).

## 125 to 200 A

| Thermal current $I_{th}$ (40°C)                | 125 A     | 125 A | 160 A | CD 160 A | 160 A | 160 A   | CD 200 A | 200 A   |
|------------------------------------------------|-----------|-------|-------|----------|-------|---------|----------|---------|
| NFC/DIN fuse size                              | -/22 x 58 | -/00  | -/00  | A3-A4*/- | A4/0  | B1-B2/- | A3-A4*/- | B1-B2/- |
| Frame size for direct operation                | 3         | 3     | 3     |          | 4     | 4       |          | 5       |
| Switch body size for front and side operation  | 13        | 13    | 13    | 13       | 14    | 14      | 13       | 15      |
| Rated insulation voltage $U_i$ (V)             | 800       | 800   | 800   | 800      | 800   | 800     | 800      | 800     |
| Rated impulse withstand voltage $U_{imp}$ (kV) | 8         | 8     | 8     | 8        | 8     | 8       | 8        | 8       |

### Rated operational currents $I_e$ (A)

| Rated voltage | Utilisation category | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     |
|---------------|----------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| 400 VAC       | AC-22 A / AC-22 B    | 125/125                                | 125/125                                | 160/160                                | 160/160                                | 160/160                                | 160/160                                | 200/200                                | 200/200                                |
| 400 VAC       | AC-23 A / AC-23 B    | 125/125                                | 125/125                                | 160/160                                | 160/160                                | 160/160                                | 160/160                                | 200/200                                | 200/200                                |
| 690 VAC       | AC-22 A / AC-22 B    | 125 <sup>(2)</sup> /125 <sup>(2)</sup> | 125 <sup>(2)</sup> /125 <sup>(2)</sup> | 160 <sup>(2)</sup> /160 <sup>(2)</sup> | 160 <sup>(2)</sup> /160 <sup>(2)</sup> | 160 <sup>(2)</sup> /160 <sup>(2)</sup> | 160 <sup>(2)</sup> /160 <sup>(2)</sup> | 160 <sup>(2)</sup> /160 <sup>(2)</sup> | 200 <sup>(2)</sup> /200 <sup>(2)</sup> |
| 690 VAC       | AC-23 A / AC-23 B    | 100 <sup>(2)</sup> /100 <sup>(2)</sup> | 100 <sup>(2)</sup> /100 <sup>(2)</sup> | 125 <sup>(2)</sup> /125 <sup>(2)</sup> | 125 <sup>(2)</sup> /125 <sup>(2)</sup> | 125 <sup>(2)</sup> /125 <sup>(2)</sup> | 125 <sup>(2)</sup> /125 <sup>(2)</sup> | 125 <sup>(2)</sup> /125 <sup>(2)</sup> | 160 <sup>(2)</sup> /200 <sup>(2)</sup> |
| 220 VDC       | DC-20 A / DC-20 B    | 125/125                                | 125/125                                | 160/160                                | 160/160                                | 160/160                                | 160/160                                | 160/160                                | 200/200                                |
| 220 VDC       | DC-21 A / DC-21 B    | 100/100                                | 100/100                                | 125/125                                | 125/125                                | 125/125                                | 125/125                                | 125/125                                | 200/200                                |
| 440 VDC       | DC-22 A / DC-22 B    | 125 <sup>(3)</sup> /125 <sup>(3)</sup> | 125 <sup>(3)</sup> /125 <sup>(3)</sup> | 160 <sup>(3)</sup> /160 <sup>(3)</sup> | 160 <sup>(3)</sup> /160 <sup>(3)</sup> | 160 <sup>(3)</sup> /160 <sup>(3)</sup> | 160 <sup>(3)</sup> /160 <sup>(3)</sup> | 160 <sup>(3)</sup> /160 <sup>(3)</sup> | 200 <sup>(3)</sup> /200 <sup>(3)</sup> |
| 440 VDC       | DC-23 A / DC-23 B    | 100 <sup>(3)</sup> /100 <sup>(3)</sup> | 100 <sup>(3)</sup> /100 <sup>(3)</sup> | 125 <sup>(3)</sup> /125 <sup>(3)</sup> | 160 <sup>(3)</sup> /160 <sup>(3)</sup> | 125 <sup>(3)</sup> /125 <sup>(3)</sup> | 125 <sup>(3)</sup> /125 <sup>(3)</sup> | 125 <sup>(3)</sup> /125 <sup>(3)</sup> | 200 <sup>(3)</sup> /200 <sup>(3)</sup> |

### Operational power in AC-23 (kW)

|                                                      |       |       |         |         |         |         |         |         |
|------------------------------------------------------|-------|-------|---------|---------|---------|---------|---------|---------|
| At 400 VAC without pre-break in AC <sup>(1)(4)</sup> | 63/63 | 63/63 | 80/80   | 80/80   | 80/80   | 80/80   | 80/80   | 100/100 |
| At 690 VAC without pre-break in AC <sup>(1)(4)</sup> | 90/90 | 90/90 | 110/110 | 110/110 | 110/110 | 110/110 | 110/110 | 150/185 |

### Reactive power (kvar)

|                           |    |    |    |    |    |    |    |    |
|---------------------------|----|----|----|----|----|----|----|----|
| At 400 VAC <sup>(4)</sup> | 55 | 55 | 75 | 70 | 75 | 75 | 90 | 90 |
|---------------------------|----|----|----|----|----|----|----|----|

### Fuse protected short-circuit withstand (kA rms prospective)

|                                                   |       |       |             |       |         |         |       |       |
|---------------------------------------------------|-------|-------|-------------|-------|---------|---------|-------|-------|
| Prospective short-circuit (kA rms) <sup>(5)</sup> | -/100 | -/100 | -/100 (50)  | 50/-  | 80/100  | 80/100  | 50/-  | 80/-  |
| Associated fuse rating (A) <sup>(5)</sup>         | -/125 | -/125 | -/125 (160) | 160/- | 160/160 | 160/160 | 200/- | 200/- |

### Short-circuit capacity

|                                                       |    |    |    |    |      |      |    |      |
|-------------------------------------------------------|----|----|----|----|------|------|----|------|
| Rated peak withstand current (kA peak) <sup>(5)</sup> | 20 | 20 | 20 | 20 | 22.7 | 22.7 | 20 | 32.5 |
|-------------------------------------------------------|----|----|----|----|------|------|----|------|

### Fuse selection (maximum fuse size)\*\*

|                                       |           |           |           |              |             |             |             |            |
|---------------------------------------|-----------|-----------|-----------|--------------|-------------|-------------|-------------|------------|
| SOCOMECS BS88 - Standard max          |           |           |           | 6A40 0160    | 6A40 0160   | 6B20 0160   | 6A40 0200   | 6B20 0200  |
| SOCOMECS BS88 - Motor max             |           |           |           | 6A4M 0160    | 6A4M 0160   | 6B1M 0200   | 6A4M 0315   | 6B2M 0315  |
| SOCOMECS DIN - Distribution (gl - gG) | 6032 0125 | 6692 0125 | 6692 0160 |              | 6702 0160   |             |             |            |
| SOCOMECS DIN - Motor (aM)             | 6033 0125 | 6693 0125 | 6693 0160 |              | 6703 0160   |             |             |            |
| BUSSMANN - Standard max               |           |           |           | DEO 160      | DEO 160     | DD 160      | DEO 200     | DD 200     |
| BUSSMANN - Motor max                  |           |           |           | CEO 100M160  | DEO 100M200 | CD 100M200  | DEO 200M315 | DD 200M315 |
| LAWSON - Standard max                 |           |           |           | CTFP 160     | TFP 160     | TF 160      | TF 200      | TF 200     |
| LAWSON - Motor max                    |           |           |           | CTCP 100M160 | TCP 100M200 | TCP 100M200 | TC 200M315  | TC 200M315 |
| GE - Standard max                     |           |           |           | TCP 100      | TFP 160     | TF 160      | TF 200      | TF 200     |
| GE - Motor max                        |           |           |           | OCF 100M160  | TCP 100M201 | TC 100M200  | TF 200M315  | TF 200M315 |

### Connection

|                                                   |        |        |        |        |        |        |        |       |
|---------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|-------|
| Minimum Cu cable cross-section (mm <sup>2</sup> ) | 35     | 35     | 35     | 35     | 50     | 50     | 35     | 95    |
| Maximum Cu cable cross-section (mm <sup>2</sup> ) | 95     | 95     | 95     | 95     | 95     | 95     | 95     | 240   |
| Maximum busbar width (mm)                         | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 32    |
| Tightening torque min (Nm)                        | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 20/26 |

### Mechanical characteristics

|                                         |        |        |        |        |        |        |        |        |
|-----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Durability (number of operating cycles) | 10 000 | 10 000 | 10 000 | 10 000 | 10 000 | 10 000 | 10 000 | 10 000 |
| Weight of 3 P switch (kg)               | 1.5    | 1.5    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 3.2    |
| Weight of 4 P switch (kg)               | 2      | 2      | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 4.5    |
| Weight of 1 P extra (kg)                | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 1.3    |
| Frame pitch (mm)                        | 36     | 36     | 36     | 36     | 50     | 50     | 36     | 60     |

(1) Category with index A = frequent operation - Category with index B = infrequent operation.

(2) With terminal shrouds or phase barrier.

(3) 4-pole device with 2 poles in series per polarity.

(4) The power value is given for information only, the current values vary from one manufacturer to another.

(5) For a rated operational voltage  $U_n = 400$  VAC.

\*\* Please ensure that fuse let through current does not exceed short-circuit capacity of the switch (kA peak).

## Characteristics according to IEC 60947-3 (continued)

### 250 to 1250 A

| Thermal current $I_{th}$ (40°C)                | 250 A      | 315 A      | 400 A         | 630 A   | 800 A      | 800 A | 1250 A |
|------------------------------------------------|------------|------------|---------------|---------|------------|-------|--------|
| NFC/DIN fuse size                              | B1-B2-B3/1 | B1-B2-B3/- | B1-B2-B3-B4/2 | C1-C2/3 | C1-C2-C3/3 | -/4   | D1/4   |
| Frame size for direct operation                | 5          | 6          | 6             | 17      | 17         | 18    | 18     |
| Switch body size for front and side operation  | 15         | 16         | 16            | 17      | 17         | 18    | 18     |
| Rated insulation voltage $U_i$ (V)             | 800        | 1000(800*) | 1000(800*)    | 1000    | 1000       | 1000  | 1000   |
| Rated impulse withstand voltage $U_{imp}$ (kV) | 8          | 12(8*)     | 12(8*)        | 12      | 12         | 12    | 12     |

### Rated operational currents $I_e$ (A)

| Rated voltage | Utilisation category | A/B <sup>(1)</sup>                      | A/B <sup>(1)</sup>                      | A/B <sup>(1)</sup>                      | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                      | A/B <sup>(1)</sup>     | A/B <sup>(1)</sup>                        |
|---------------|----------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|-----------------------------------------|------------------------|-------------------------------------------|
| 400 VAC       | AC-22 A / AC-22 B    | 250/250                                 | 315/315                                 | 400/400                                 | 630/630                                | 800/800                                 | 800/800                | 1250/1250                                 |
| 400 VAC       | AC-23 A / AC-23 B    | 250/250                                 | 315/315                                 | 400/400                                 | 630/630                                | 800/800                                 | 800/800                | 1000/1250                                 |
| 690 VAC       | AC-22 A / AC-22 B    | 250 <sup>(2)</sup> /250 <sup>(2)</sup>  | 315 <sup>(2)</sup> /315 <sup>(2)</sup>  | 400/400                                 | 500/630                                | 800/800                                 | 800/800                | 800/1250                                  |
| 690 VAC       | AC-23 A / AC-23 B    | 250 <sup>(2)</sup> /250 <sup>(2)</sup>  | 315 <sup>(2)</sup> /315 <sup>(2)</sup>  | 315/400                                 | 315/400                                | 630/630                                 | 800/800                | 800/1250                                  |
| 220 VDC       | DC-20 A / DC-20 B    | 250/250                                 | 315/315                                 | 400/400                                 | 630/630                                | 800/800                                 | 800/800                | 1250/1250                                 |
| 220 VDC       | DC-21 A / DC-21 B    | 200/200                                 | 315/315                                 | 315/315                                 | 630/630                                | 800/800                                 | 800/800                | 1250/1250                                 |
| 440 VDC       | DC-22 A / DC-22 B    | 250 <sup>(3)</sup> / 250 <sup>(3)</sup> | 315 <sup>(3)</sup> / 315 <sup>(3)</sup> | 315 <sup>(3)</sup> /315 <sup>(3)</sup>  | 400 <sup>(3)</sup> /630 <sup>(3)</sup> | 800 <sup>(3)</sup> / 800 <sup>(3)</sup> | 800/800                | 1250 <sup>(3)</sup> / 1250 <sup>(3)</sup> |
| 440 VDC       | DC-23 A / DC-23 B    | 200 <sup>(3)</sup> / 200 <sup>(3)</sup> | 250 <sup>(3)</sup> / 315 <sup>(3)</sup> | 250 <sup>(3)</sup> / 315 <sup>(3)</sup> | 400 <sup>(3)</sup> /630 <sup>(3)</sup> | 800 <sup>(3)</sup> / 800 <sup>(3)</sup> | 800/800 <sup>(3)</sup> | 1000 <sup>(3)</sup> / 1000 <sup>(3)</sup> |

### Operational power in AC-23 (kW)

|                                                      |         |         |         |         |         |         |         |
|------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| At 400 VAC without pre-break in AC <sup>(1)(4)</sup> | 132/132 | 160/160 | 220/220 | 355/355 | 450/450 | 450/450 | 560/560 |
| At 690 VAC without pre-break in AC <sup>(1)(4)</sup> | 220/220 | 220/295 | 220/295 | 295/400 | 400/400 | 400/400 | 400/475 |

### Reactive power (kvar)

|                           |     |     |     |     |     |     |     |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|
| At 400 VAC <sup>(4)</sup> | 115 | 145 | 185 | 290 | 365 | 355 | 460 |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|

### Fuse protected short-circuit withstand (kA rms prospective)

|                                                   |         |       |         |         |         |       |        |
|---------------------------------------------------|---------|-------|---------|---------|---------|-------|--------|
| Prospective short-circuit (kA rms) <sup>(5)</sup> | 80/100  | 80/-  | 80/50   | 80/100  | 80/100  | -/100 | -/100  |
| Associated fuse rating (A) <sup>(5)</sup>         | 250/250 | 315/- | 400/400 | 630/630 | 800/800 | -/800 | -/1250 |

### Short-circuit capacity

|                                                       |      |    |    |    |    |    |    |
|-------------------------------------------------------|------|----|----|----|----|----|----|
| Rated peak withstand current (kA peak) <sup>(5)</sup> | 32.5 | 40 | 40 | 70 | 80 | 80 | 90 |
|-------------------------------------------------------|------|----|----|----|----|----|----|

### Fuse selection (maximum fuse size)\*\*

|               |            |             |             |           |           |           |           |
|---------------|------------|-------------|-------------|-----------|-----------|-----------|-----------|
| SOCOMECS BS88 | 6B20 0250  | 6B30 0315   | 6B40 0400   | 6C20 0630 | 6C30 0800 |           |           |
| SOCOMECS BS88 | 6B2M 3015  | 6B3M 0400   | 6B4M 0500   |           |           |           |           |
| SOCOMECS DIN  | 6712 0250  |             | 6722 0400   | 6732 0400 |           | 6746 0800 | 6746 1200 |
| SOCOMECS DIN  | 6713 0250  |             | 6723 0400   | 6733 0400 |           | 6747 0800 | 6747 1200 |
| BUSSMANN      | ED 250     | ED 315      | ED 400      | FF 630    | GF 800    |           |           |
| BUSSMANN      | DD 200M315 | ED 315M400  | ED 400M500  |           |           |           |           |
| LAWSON        | TKF 250    | TKF 315     | TMF 400     | TTM 630   | TLM 800   |           |           |
| LAWSON        | TF 200M315 | TKF 315M400 | TMF 400M500 |           |           |           |           |
| GE            | TKF 250    | TKF 315     | TMF 400     | TTM 630   | TLM 800   |           |           |
| GE            | TF 200M315 | TKF 315M355 | TMF 400M450 |           |           |           |           |

### Connection

|                                                   |       |       |       |         |         |         |         |
|---------------------------------------------------|-------|-------|-------|---------|---------|---------|---------|
| Minimum Cu cable cross-section (mm <sup>2</sup> ) | 95    | 185   | 185   | 2 x 150 | 2 x 185 |         |         |
| Maximum Cu cable cross-section (mm <sup>2</sup> ) | 240   | 240   | 240   | 2 x 300 | 2 x 300 | 4 x 185 | 4 x 185 |
| Maximum busbar width (mm)                         | 32    | 45    | 45    | 63      | 63      | 80      | 80      |
| Tightening torque min (Nm)                        | 20/26 | 20/26 | 20/26 | 40/45   | 40/45   | 40/45   | 40/45   |

### Mechanical characteristics

|                                         |        |        |        |       |       |       |       |
|-----------------------------------------|--------|--------|--------|-------|-------|-------|-------|
| Durability (number of operating cycles) | 10 000 | 10 000 | 10 000 | 8 000 | 8 000 | 5 000 | 5 000 |
| Weight of 3 P switch (kg)               | 3.2    | 4.8    | 4.8    | 16    | 17    | 25    | 25    |
| Weight of 4 P switch (kg)               | 4.5    | 6.1    | 6.1    | 20    | 21.5  | 30    | 30    |
| Weight of 1 P extra (kg)                | 1.3    | 1.3    | 1.3    |       |       | 3     | 3     |
| Frame pitch (mm)                        | 60     | 66     | 66     | 94    | 94    | 120   | 120   |

(1) Category with index A = frequent operation - Category with index B = infrequent operation.

(2) With terminal shrouds or terminal screen.

(3) 4-pole device with 2 pole in series by polarity.

(4) The power value is given for information only, the current values vary from one manufacturer to another.

(5) For a rated operational voltage  $U_e = 400$  VAC.

\* Direct operation switch.

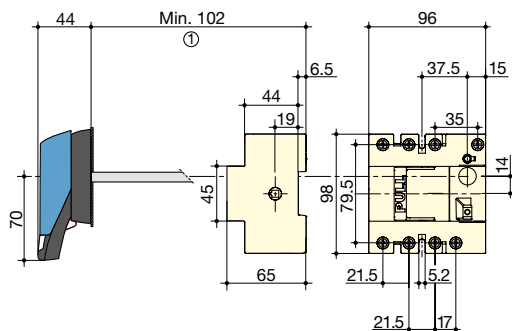
\*\* Please ensure that fuse let through current does not exceed short-circuit capacity of the switch (kA peak).

## Dimensions

### External operation

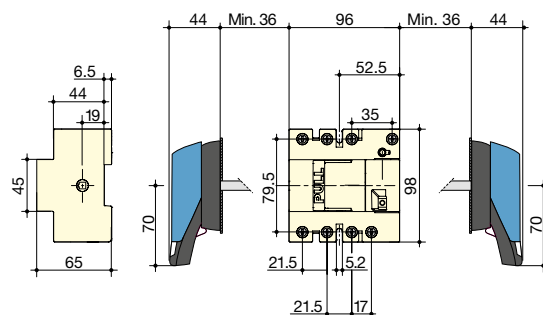
**NFC and DIN CD 25 to CD 32 A in size 10 x 38**

External front operation



1. With 1 U-type AC: 130 mm.  
With 2 U-type AC: 155 mm.

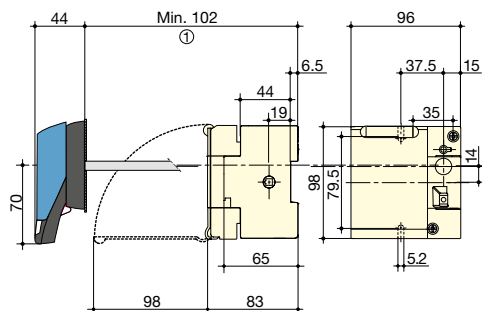
External side operation



fuser\_291\_d\_1\_x\_cat

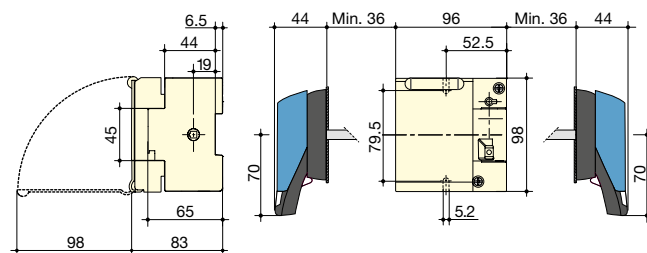
**BS88 CD 20 to CD 32 A in size A1 - NFC and DIN 32 A in size 14 x 51**

External front operation



1. With 1 U-type AC: 130 mm.  
With 2 U-type AC: 155 mm.

External side operation

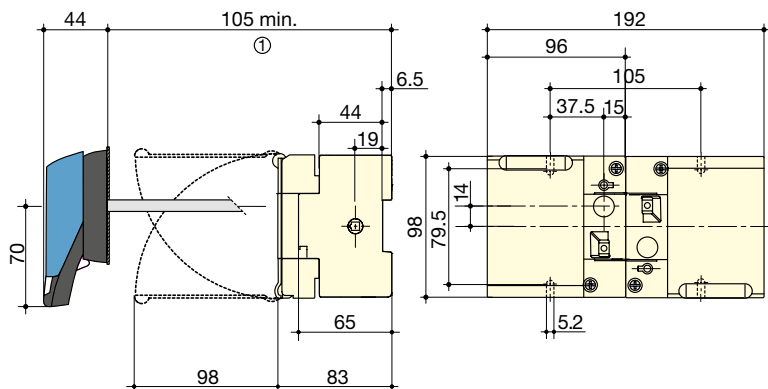


fuser\_292\_d\_1\_x\_cat

fuser\_294\_c\_1\_x\_cat

**BS88 CD 20 to CD 32 A in size A1 - NFC and DIN 25 to 32 in size 10 x 38 and 14 x 51**

External front operation fuse combination changeover



1. With 1 U-type AC: 130 mm  
With 2 U-type AC: 155 mm.

fuser\_440\_b\_1\_x\_cat

# FUSERBLOC

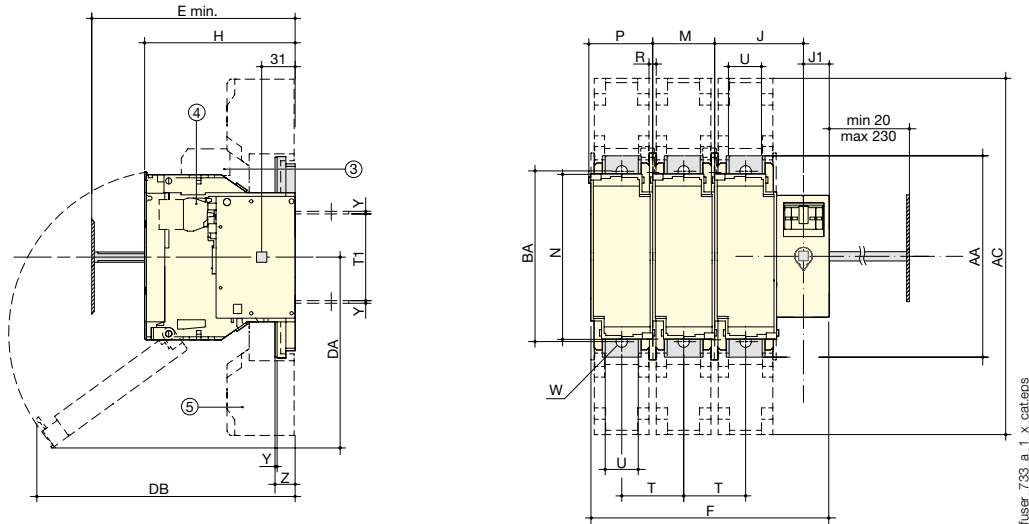
## Fuse combination switches

for industrial fuses up to 1250 A

### Dimensions (continued)

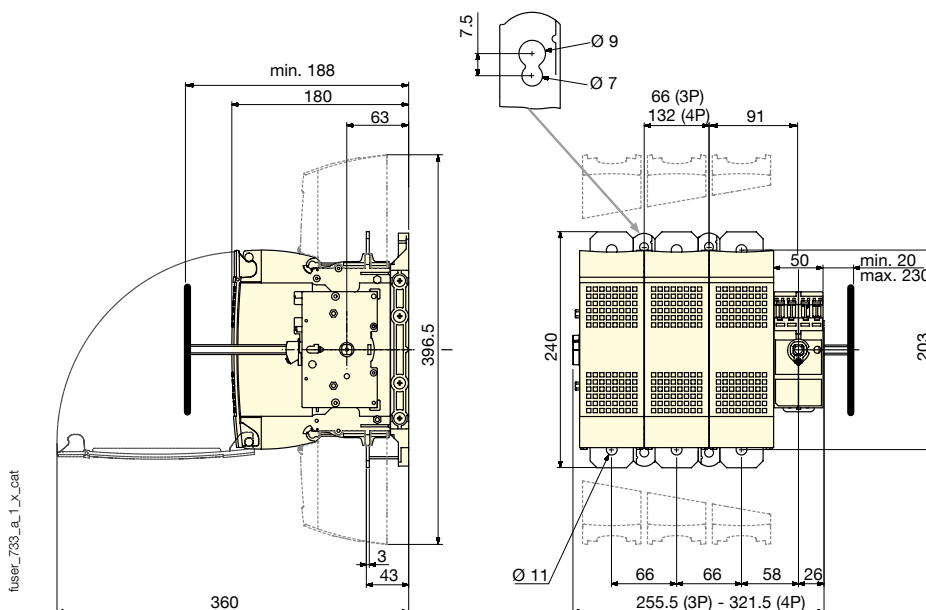
#### External operation

BS88 32 to 250 A - NFC and DIN 50 to 250 A



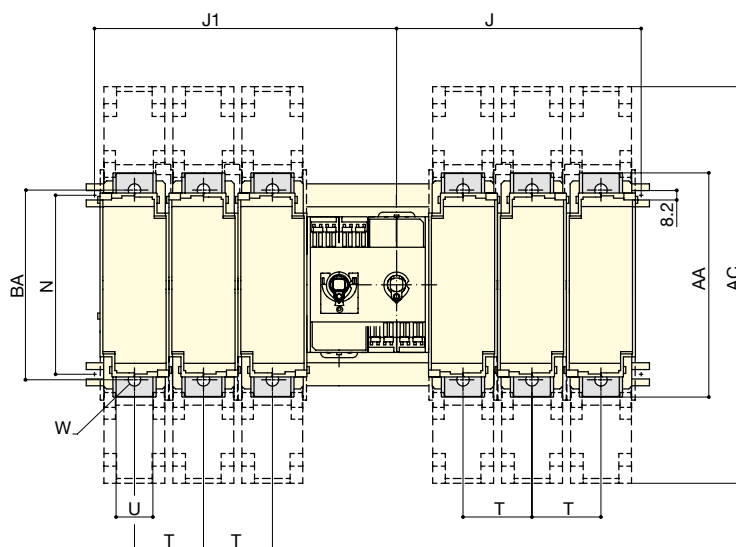
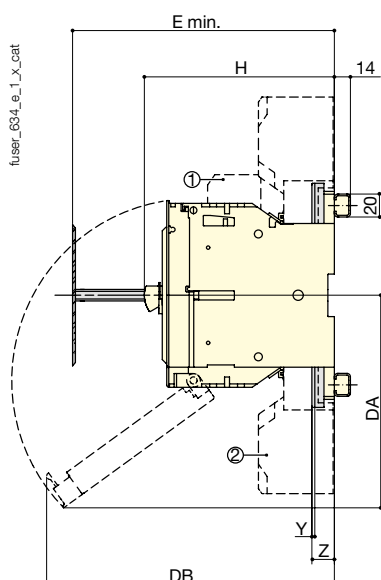
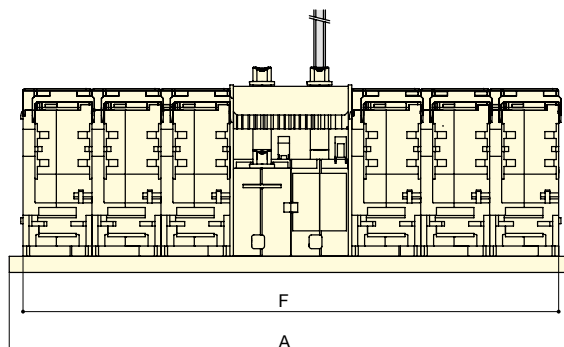
| Rating (A) | NFC/DIN Fuse size | BS88 Fuse size | Frame size | Overall dimensions E min | Terminal shrouds AC | Switch body |       |     |    |    |     |     |     | Switch mounting |     |    |     | Connection |    |    |     |     |      |     |     |
|------------|-------------------|----------------|------------|--------------------------|---------------------|-------------|-------|-----|----|----|-----|-----|-----|-----------------|-----|----|-----|------------|----|----|-----|-----|------|-----|-----|
|            |                   |                |            |                          |                     | F 3p.       | F 4p. | H   | J  | J1 | BC  | DA  | DB  | M               | N   | P  | R   | T          | T1 | U  | W   | Y   | Z    | AA  | BA  |
| 32         |                   | A1             | 11         | 100                      | -                   | 121         | 148   | 87  | 45 | 18 | 70  | 85  | 153 | 27              | 106 | 31 | 6   | 27         | 59 | 12 | -   | 2   | -    | 118 | -   |
| 50         | 14 x 51           | -              | 11         | 100                      | -                   | 121         | 148   | 87  | 45 | 18 | 70  | 85  | 153 | 27              | 106 | 31 | 6   | 27         | 59 | 12 | -   | 2   | -    | 118 | -   |
| 63         | 00C               | A2-A3          | 12         | 125                      | -                   | 136         | 168   | 116 | 50 | 18 | 70  | 159 | 145 | 32              | 106 | 36 | 5.4 | 32         | 59 | 12 | -   | 2   | -    | 118 | -   |
| 100        |                   | A4             | 13         | 135                      | 268                 | 148         | 184   | 116 | 54 | 18 | 125 | 141 | 179 | 36              | 127 | 40 | 5.4 | 36         | 62 | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |
| 125        |                   | -              | 13         | 135                      | 268                 | 148         | 184   | 126 | 54 | 18 | 125 | 141 | 189 | 36              | 127 | 40 | 5.4 | 36         | 62 | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |
| 160        |                   | -              | 13         | 135                      | 268                 | 148         | 184   | 126 | 54 | 18 | 125 | 141 | 189 | 36              | 127 | 40 | 5.4 | 36         | 62 | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |
| CD 160     |                   | A3-A4          | 13A        | 145                      | 268                 | 148         | 184   | 139 | 54 | 18 | 125 | 141 | -   | 36              | 130 | 40 | 5.4 | 36         | 78 | 18 | 8.5 | 3   | 20   | 162 | 141 |
| CD 200     |                   | A3-A4          | 13A        | 145                      | 268                 | 148         | 184   | 139 | 54 | 18 | 125 | 141 | -   | 36              | 130 | 40 | 5.4 | 36         | 78 | 18 | 8.5 | 3   | 20   | 162 | 141 |
| 160        | 0                 | A4-B1-B2       | 14         | 145                      | 268                 | 190         | 240   | 136 | 64 | 18 | 125 | 174 | 229 | 50              | 140 | 54 | 5.4 | 50         | 62 | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |
| 200        | -                 | B1-B2          | 15         | 154                      | 345                 | 234         | 294   | 146 | 86 | 25 | 125 | 185 | 251 | 60              | 162 | 64 | 6.4 | 60         | 84 | 32 | 11  | 2.5 | 19.5 | 195 | 166 |
| 250        | 1                 | B1-B2-B3       | 15         | 154                      | 345                 | 234         | 294   | 146 | 86 | 25 | 125 | 185 | 251 | 60              | 162 | 64 | 6.4 | 60         | 84 | 32 | 11  | 2.5 | 19.5 | 195 | 166 |

BS88 315 to 400 A (size B1-B2-B3-B4) - DIN 400 A (size 2)



## BS88 - External front operation fuse combination changeover

32 to 400 A



A. S1 handle: 32 and 63 A  
B. S1 handle: 100 to 400 A  
C. Door drilling

1. Fuse blown indication not available for BS88  
2. Terminal shrouds

|            |             |            | Dimensions |       |                    |                    | Terminal shrouds | Switch body |       |                    |       |       |        |        |     |     | Switch mounting | Connection |    |     |     |      |     |     |  |
|------------|-------------|------------|------------|-------|--------------------|--------------------|------------------|-------------|-------|--------------------|-------|-------|--------|--------|-----|-----|-----------------|------------|----|-----|-----|------|-----|-----|--|
| Rating (A) | Fuse size   | Frame size | A 3 P      | A 4 P | E min              | E max              | AC               | F 3 P       | F 4 P | H                  | J 3 P | J 4 P | J1 3 P | J1 4 P | DA  | DB  | N               | T          | U  | W   | Y   | Z    | AA  | BA  |  |
| 32         | A1          | 11         | 264        | 318   | 100 <sup>(1)</sup> | 146 <sup>(1)</sup> |                  | 242         | 296   | 87                 | 102   | 129   | 138    | 165    | 85  | 153 | 90              | 27         |    |     |     |      | 118 |     |  |
| 63         | A2-A3       | 12         | 294        | 358   | 124                | 145                |                  | 272         | 336   | 116.5              | 121   | 153   | 157    | 189    | 159 | 145 | 90              | 32         |    |     |     |      | 118 |     |  |
| 100        | A4          | 13         | 318        | 390   | 124                | 145                | 268              | 296         | 368   | 116 <sup>(2)</sup> | 133   | 169   | 169    | 205    | 141 | 179 | 128             | 36         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| CD 160     | A3-A4       | 13 A       | 318        | 390   | 145                | 225                | 268              | 296         | 368   | 139                | 133   | 169   | 169    | 205    |     |     | 128             | 36         | 18 | 8.5 | 3   | 20   | 162 | 141 |  |
| 160        | A4          | 14         | 402        | 502   | 124                | 225                | 268              | 380         | 480   | 136.5              | 176   | 226   | 212    | 262    | 174 | 229 | 128             | 50         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| 160        | B1-B2       | 14         | 402        | 502   | 130                | 225                | 268              | 380         | 480   | 136.5              | 176   | 226   | 212    | 262    | 174 | 229 | 128             | 50         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| CD 200     | A3-A4       | 13 A       | 318        | 390   | 145                | 225                | 268              | 296         | 368   | 139                | 133   | 169   | 169    | 205    |     |     | 128             | 36         | 18 | 8.5 | 3   | 20   | 162 | 141 |  |
| 200        | B1-B2       | 15         | 490        | 610   | 130                | 225                | 345              | 468         | 588   | 146                | 213   | 273   | 263    | 323    | 185 | 251 | 155             | 60         | 32 | 11  | 2.5 | 19.5 | 195 | 166 |  |
| 250        | B1-B2-B3    | 15         | 490        | 610   | 154                | 225                | 345              | 468         | 588   | 146                | 213   | 273   | 263    | 323    | 185 | 251 | 155             | 60         | 32 | 11  | 2.5 | 19.5 | 195 | 166 |  |
| 315        | B1-B2-B3    | 16         | 526        | 658   | 154                | 225                | 355              | 504         | 636   | 149                | 231   | 297   | 281    | 347    | 200 | 260 | 168             | 66         | 50 | 11  | 3   | 20   | 205 | 175 |  |
| 400        | B1-B2-B3-B4 | 16         | 526        | 658   | 157                | 225                | 355              | 504         | 636   | 149                | 231   | 297   | 281    | 347    | 200 | 260 | 168             | 66         | 50 | 11  | 3   | 20   | 205 | 175 |  |

(1) 1 AC: + 23.5 mm / 2 AC: + 47 mm.  
(2) 132 mm with 2 AC.

# FUSERBLOC

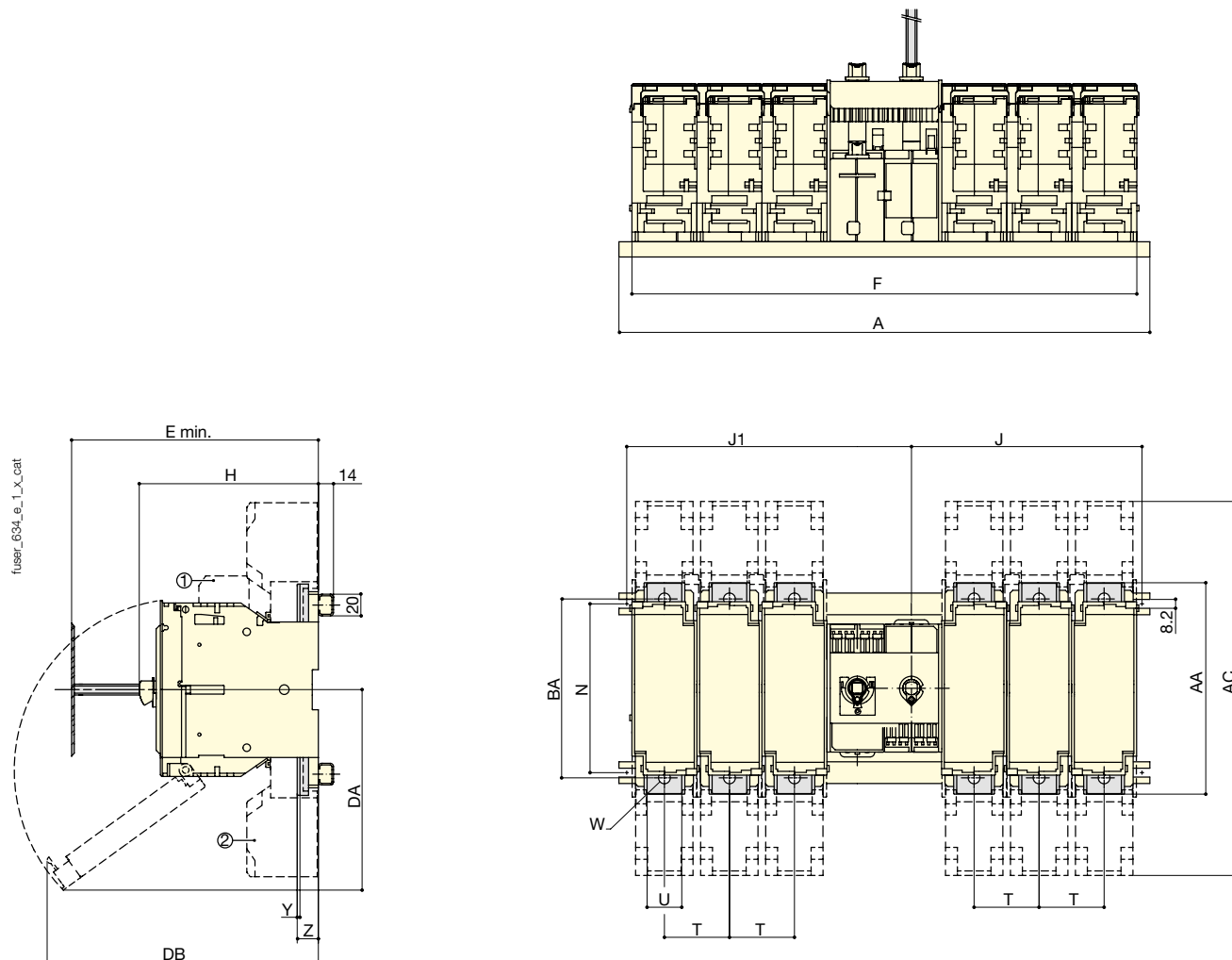
Fuse combination switches

for industrial fuses up to 1250 A

## Dimensions (continued)

NFC and DIN - External front operation fuse combination changeover

50 to 400 A



A. S1 handle: 50 and 63 A  
B. S2 handle: 100 to 400 A  
C. Door drilling

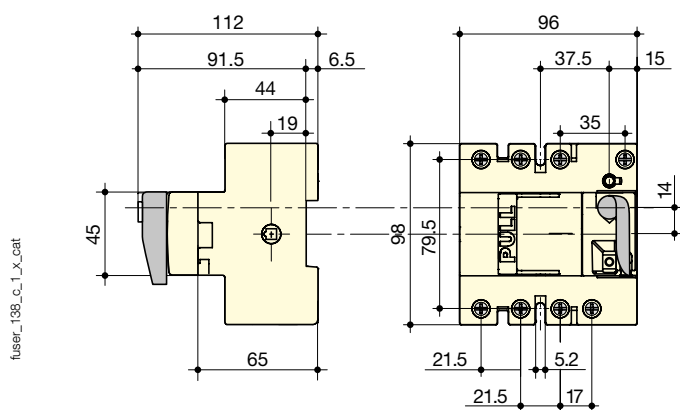
1. Fuse blown indication not available for BS88  
2. Terminal shrouds

| Rating<br>(A) | Fuse<br>size | Frame<br>size | Overall dimensions |         |                    |                    | Terminal<br>shrouds | Switch body |          |                      |          |          |           |           |     |     |     | Switch<br>mounting | Connection |     |     |      |     |     |    |  |
|---------------|--------------|---------------|--------------------|---------|--------------------|--------------------|---------------------|-------------|----------|----------------------|----------|----------|-----------|-----------|-----|-----|-----|--------------------|------------|-----|-----|------|-----|-----|----|--|
|               |              |               | A<br>3p            | A<br>4p | E<br>min           | E<br>max           |                     | F<br>3 P    | F<br>4 P | H                    | J<br>3 P | J<br>4 P | J1<br>3 P | J1<br>4 P | DA  | DB  | N   |                    | T          | U   | W   | Y    | Z   | AA  | BA |  |
| 50            | 14 x 51      | 11            | 264                | 318     | 100 <sup>(1)</sup> | 146 <sup>(1)</sup> |                     | 121         | 148      | 87 <sup>(1)</sup>    | 102      | 129      | 138       | 165       | 85  | 153 | 90  | 27                 |            |     |     |      | 118 |     |    |  |
| 63            | 00C          | 12            | 294                | 358     | 125                | 145                |                     | 136         | 168      | 116.5 <sup>(2)</sup> | 121      | 153      | 158       | 189       | 159 | 145 | 90  | 32                 |            |     |     |      | 118 |     |    |  |
| 100           | 22 x 58      | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 116 <sup>(2)</sup>   | 133      | 169      | 169       | 205       | 141 | 187 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |    |  |
| 125           | 22 x 58      | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 116 <sup>(2)</sup>   | 133      | 169      | 169       | 205       | 141 | 179 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |    |  |
| 125           | 00           | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 126.5                | 133      | 169      | 169       | 205       | 141 | 193 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |    |  |
| 160           | 00           | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 126.5                | 133      | 169      | 169       | 205       | 141 | 193 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |    |  |
| 160           | 0            | 14            | 402                | 502     | 145                | 225                | 268                 | 190         | 240      | 136.5                | 176      | 226      | 212       | 262       | 174 | 229 | 128 | 50                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |    |  |
| 250           | 1            | 15            | 490                | 610     | 154                | 225                | 345                 | 234         | 294      | 146                  | 213      | 273      | 263       | 323       | 185 | 251 | 155 | 60                 | 32         | 11  | 2.5 | 19.5 | 195 | 166 |    |  |
| 400           | 2            | 16            | 526                | 658     | 157                | 225                | 355                 | 252         | 318      | 149                  | 231      | 297      | 281       | 347       | 200 | 260 | 168 | 66                 | 50         | 11  | 3   | 20   | 205 | 175 |    |  |

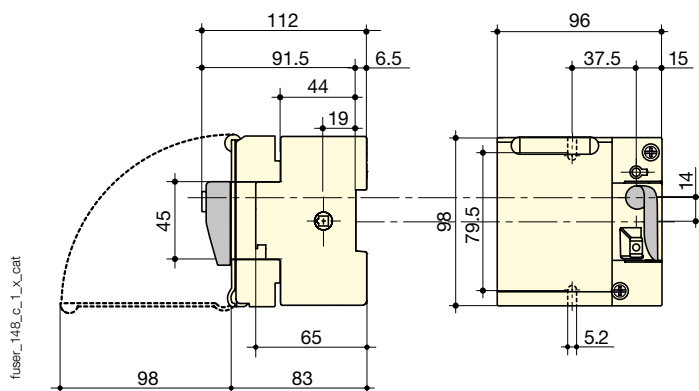
(1) 1 AC: +23.5 / 2 AC: +47  
(2) 132 with 2 AC

## Direct operation

NFC CD 25 to CD 32 A in frame size 0 / fuse size 10 x 38



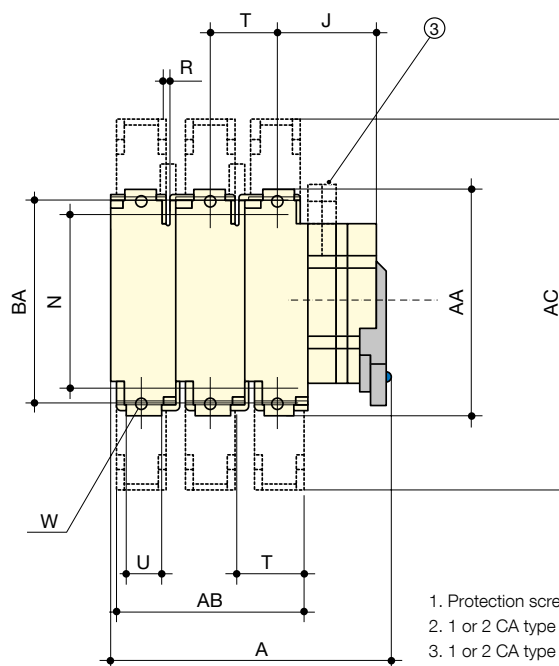
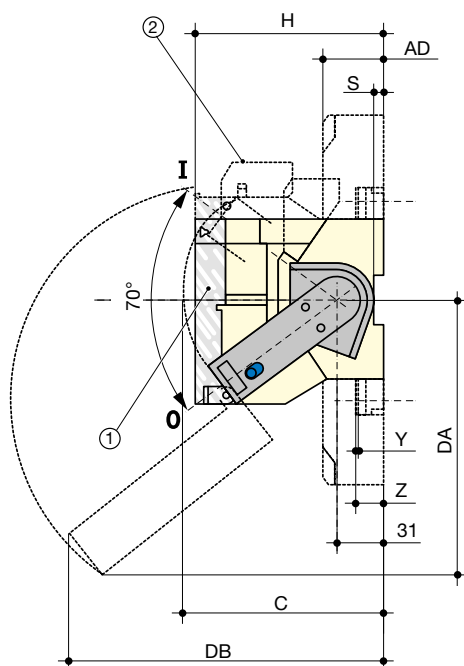
BS88 CD 20 to CD 32 A in frame size 0 / fuse size A1 - NFC CD 32 A in frame size 0 / fuse size 14 x 51



## Dimensions (continued)

### Direct operation (continued)

BS88 32 to 400 A - NFC and DIN 50 to 400 A



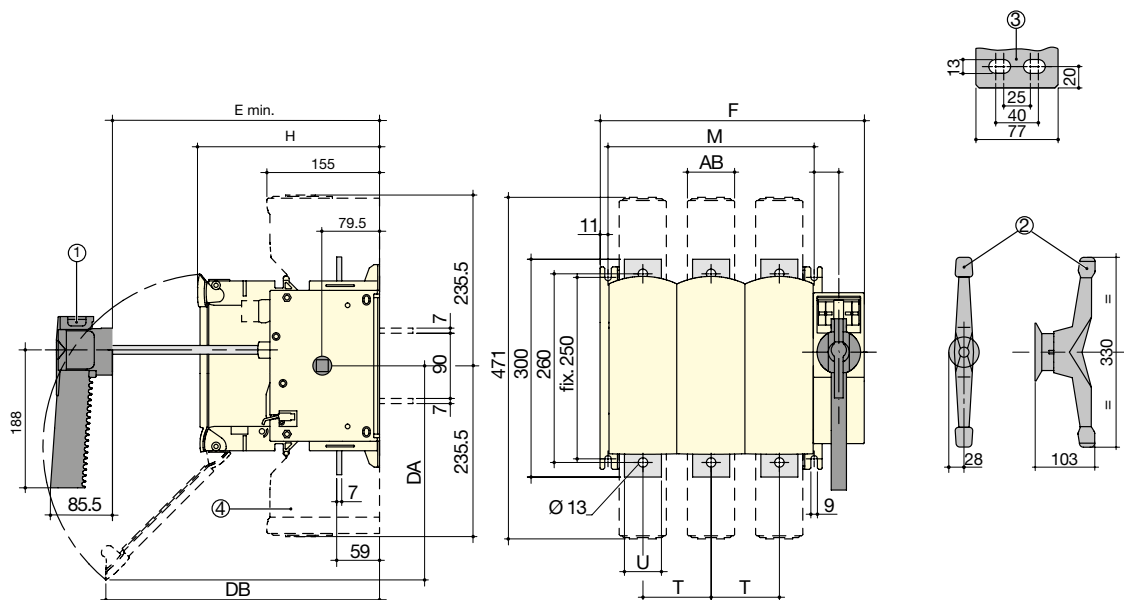
1. Protection screen lockable in position I
2. 1 or 2 CA type DDMM
3. 1 or 2 CA type A

fuser\_064\_b\_1\_x\_cat

| Rating<br>(A) | NFC/DIN<br>Fuse size | BS88<br>Fuse size | Frame<br>size | Overall<br>dimensions |          |     | Terminal shrouds |           |     |    | Switch body |      |     |     | Switch<br>mounting |     |     | Connection |    |     |     |      |     |     |  |
|---------------|----------------------|-------------------|---------------|-----------------------|----------|-----|------------------|-----------|-----|----|-------------|------|-----|-----|--------------------|-----|-----|------------|----|-----|-----|------|-----|-----|--|
|               |                      |                   |               | A<br>3p.              | A<br>4p. | C   | AB<br>3p.        | AB<br>4p. | AC  | AD | H           | J    | DA  | DB  | N                  | R   | S   | T          | U  | W   | Y   | Z    | AA  | BA  |  |
| 32            | -                    | A1                | 1             | 118                   | 145      | 134 | -                | -         | -   | -  | 87          | 33.5 | -   | -   | 106                | 5.4 | 6.5 | 27         | -  | -   | -   | -    | 118 | -   |  |
| 50            | 14 x 51              | -                 | 1             | 118                   | 145      | 134 | -                | -         | -   | -  | 87          | 33.5 | -   | -   | 106                | 5.4 | 6.5 | 27         | -  | -   | -   | -    | 118 | -   |  |
| 63            | 00C                  | A2-A3             | 2             | 133                   | 165      | 134 | -                | -         | -   | -  | 116         | 36   | 159 | 145 | 106                | 5.4 | 6.5 | 32         | -  | -   | -   | -    | 118 | -   |  |
| 100           | 22 x 58              | A4                | 3             | 150                   | 186      | 173 | 108              | 144       | 268 | 44 | 116         | 38   | -   | -   | 127                | 5.4 | -   | 36         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| 125           | 22 x 58              | -                 | 3             | 150                   | 186      | 173 | 108              | 144       | 268 | 44 | 116         | 38   | -   | -   | 127                | 5.4 | -   | 36         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| 125           | 00                   | -                 | 3             | 150                   | 186      | 173 | 108              | 144       | 268 | 44 | 126         | 38   | 141 | 193 | 127                | 5.4 | -   | 36         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| 160           | 00                   | -                 | 3             | 150                   | 186      | 173 | 108              | 144       | 268 | 44 | 126         | 38   | 141 | 189 | 127                | 5.4 | -   | 36         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| CD 160        | -                    | A3-A4             | 3A            | 152                   | 188      | 173 | 108              | 144       | 268 | 44 | 139         | 38   | -   | -   | 130                | 5.4 | -   | 36         | 20 | 8.5 | 3   | 19.5 | 162 | 141 |  |
| 160           | -                    | A4                | 4             | 192                   | 242      | 173 | 136              | 172       | 268 | 44 | 136         | 45   | 174 | 229 | 140                | 5.4 | -   | 50         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| 160           | 0                    | B1-B2             | 4             | 192                   | 242      | 173 | 136              | 172       | 268 | 44 | 136         | 45   | 174 | 229 | 140                | 5.4 | -   | 50         | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |  |
| CD 200        | -                    | A3-A4             | 3A            | 152                   | 188      | 173 | 108              | 144       | 268 | 44 | 139         | 38   | -   | -   | 30                 | 5.4 | -   | 36         | 20 | 8.5 | 3   | 19.5 | 162 | 141 |  |
| 200           | -                    | B1-B2             | 5             | 253                   | 313      | 173 | 180              | 240       | 345 | 65 | 146         | 81   | 185 | 251 | 162                | 6.4 | -   | 60         | 32 | 11  | 2.5 | 19.5 | 195 | 166 |  |
| 250           | 1                    | B1-B2-B3          | 5             | 253                   | 313      | 173 | 180              | 240       | 345 | 65 | 146         | 81   | 185 | 251 | 162                | 6.4 | -   | 60         | 32 | 11  | 2.5 | 19.5 | 195 | 166 |  |
| 315           | -                    | B1-B2-B3          | 6             | 253                   | 313      | 173 | 180              | 240       | 355 | 65 | 146         | 81   | 185 | 251 | 162                | 6.4 | -   | 66         | 32 | 11  | 2.5 | 19.5 | 195 | 175 |  |
| 400           | 2                    | B1-B2-B3-B4       | 6             | 271                   | 337      | 173 | 192              | 258       | 355 | 65 | 149         | 86   | 200 | 260 | 172                | 6.4 | -   | 66         | 50 | 11  | 3   | 20   | 205 | 175 |  |

## External and direct operation

BS88 630 to 800 A - DIN 630 to 1250 A



fuser\_415\_g\_1\_x\_cat

1. For handle frame size 17.
2. For handle frame size 18.
3. Connection terminals for frame size 18.
4. Terminal shrouds.

| Rating<br>(A) | DIN<br>Fuse size | BS88<br>Fuse size | Frame<br>size | Overall<br>dimensions<br>E min | Switch body |       |     |     |     | Switch mounting |       | Connection |    | Terminal<br>shrouds<br>AB |
|---------------|------------------|-------------------|---------------|--------------------------------|-------------|-------|-----|-----|-----|-----------------|-------|------------|----|---------------------------|
|               |                  |                   |               |                                | F 3p.       | F 4p. | H   | DA  | DB  | M 3p.           | M 4p. | T          | U  |                           |
| 630           | 3                | C1-C2             | 17            | 265                            | 364         | 458   | 250 | 300 | 380 | 284             | 378   | 94         | 51 | 65                        |
| 800           | 3                | C1-C2-C3          | 17            | 265                            | 364         | 458   | 250 | 300 | 380 | 284             | 378   | 94         | 51 | 65                        |
| 800           | 4                | -                 | 18            | 304                            | 442         | 562   | 289 | 355 | 295 | 362             | 482   | 120        | 77 | 88                        |
| 1250          | 4                | D1                | 18            | 304                            | 442         | 562   | 289 | 355 | 295 | 362             | 482   | 120        | 77 | 88                        |

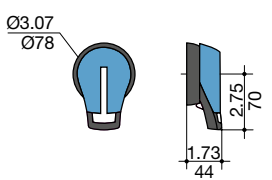
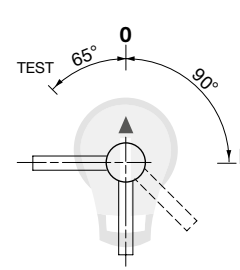
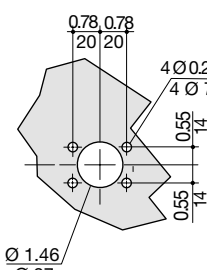
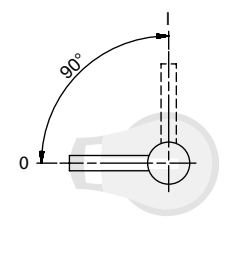
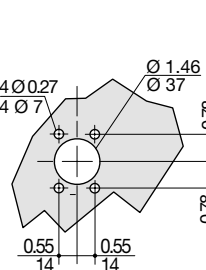
# FUSERBLOC

Fuse combination switches

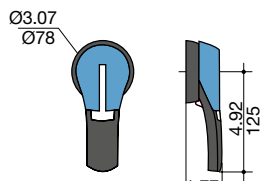
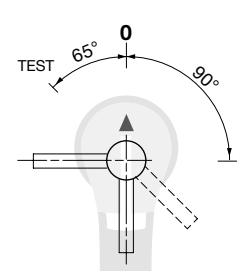
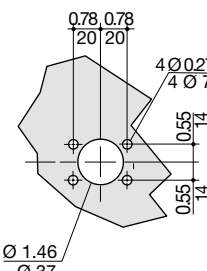
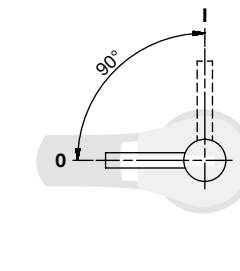
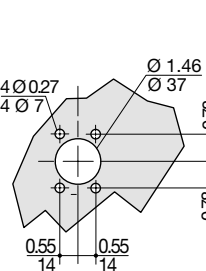
for industrial fuses up to 1250 A

## Dimensions for external operation handles

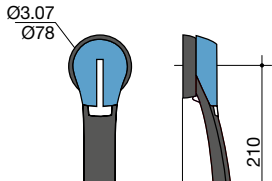
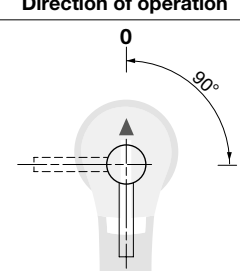
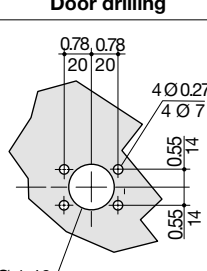
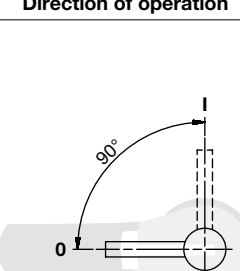
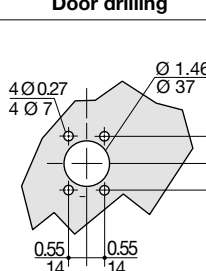
BS88 - 32 to 63 A - NFC and DIN - 25 to 63 A

| Handle type                                                                                                       | Front operation                                                                   |                                                                                   | Side operation                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                   | Direction of operation                                                            | Door drilling                                                                     | Direction of operation                                                             | Door drilling                                                                       |
| <b>S1 type</b><br>Box size 0<br> |  |  |  |  |

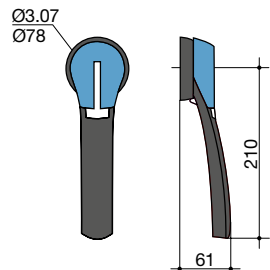
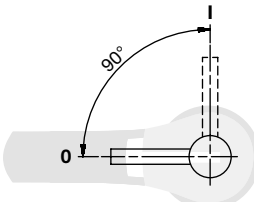
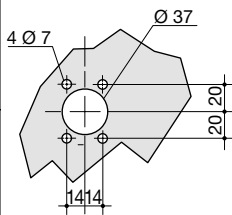
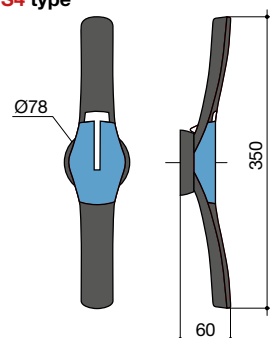
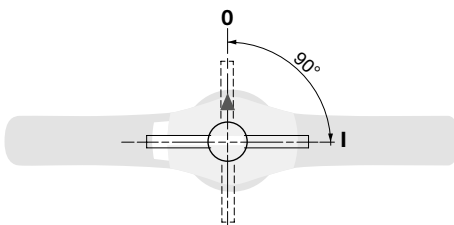
BS88 / NFC and DIN - 100 to 400 A

| Handle type                                                                                                             | Front operation                                                                    |                                                                                    | Side operation                                                                      |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                                                                                                                         | Direction of operation                                                             | Door drilling                                                                      | Direction of operation                                                              | Door drilling                                                                        |
| <b>S2 type</b><br>Box size 11-16<br> |  |  |  |  |

BS88 / NFC and DIN - 630 to 800 A

| Handle type                                                                                                          | Front operation                                                                     |                                                                                     | Side operation                                                                       |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                                                      | Direction of operation                                                              | Door drilling                                                                       | Direction of operation                                                               | Door drilling                                                                         |
| <b>S3 type</b><br>Box size 17<br> |  |  |  |  |

## BS88 / NFC and DIN - 800 to 1250 A

| Handle type                                                                                                        | Front operation<br>Direction of operation                                          | Side operation<br>Direction of operation                                           | Door drilling                                                                       |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>S3 type</b><br>Box size 18<br> |                                                                                    |  |  |
| <b>S4 type</b><br>               |  |                                                                                    |                                                                                     |

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