



# SIRCOVER

Manual Transfer Switching Equipment  
from 125 to 3200 A

Transfer switches



**SIRCOVER**  
250 A



**SIRCOVER Bypass**  
500 A

## The solution for

- > Manufacturing
- > Power distribution



## Strong points

- > Complete range
- > Easy to connect
- > Stable positions
- > On-load switching

## Conformity to standards

- > IEC 60947-6,-1
- > IEC 60947-3
- > GB/T 14048-11



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



**BUREAU  
VERITAS**

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

## SIRCOVER in enclosure



See "Enclosed transfer switches".

## Function

**SIRCOVER** products are manually operated transfer switches with positive break indication. There are 4 ranges in the series:

- **SIRCOVER** for open transition switching (I-0-II) available in 3 or 4 pole.
- **SIRCOVER** for overlapping contact switching (I-I+II-II). For applications where both sources are synchronised and there is to be no interruption to the load supply during transfer - available in 3 or 4 pole.
- **SIRCOVER Bypass**. This combination of three interlocked load break switches provides 3+6 or 4+8 poles for bypass applications.
- **SIRCOVER Bypass** for overlapping contact switching (I-I+II-II). This combination of three interlocked load break switches provides bypass to an UPS or other devices when sources are synchronised and the UPS is on static bypass mode.

They provide on-load transfer between two sources for any low voltage power circuit, as well as safety isolation by double breaking per pole. Other applications include source inversion (e.g. to change the direction of a motor) or grounding/earthing.

## Advantages

### A complete range

There are 4 SIRCOVER models to meet every need: The standard model I-0-II, the overlapping contact model I-I+II-II, the bypass model and the bypass with overlapping contact model I-I+II-II.

### Easy to connect

For ratings of 2000 to 3200 A, we offer copper bar connection pieces. This gives you the option of different connection methods - flat, edgewise with top or bottom bridging.

### Stable positions

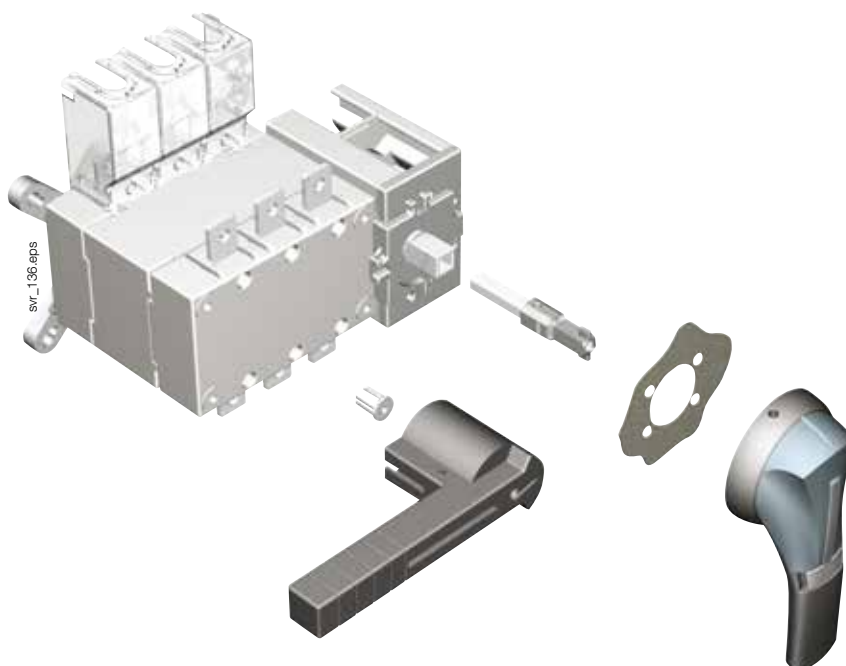
SIRCOVER devices have three stable positions, unaffected by voltage fluctuations and vibrations, protecting your loads from network disturbances.

### On-load switching

With its AC-23 and AC-33 characteristics, tested according to standards IEC 60947-3 and IEC 60947-6-1, the SIRCOVER enables safe on-load switching for any type of load. With its on-load transfer capabilities, it is not necessary to isolate loads prior to transfer therefore the SIRCOVER offers an economical solution.

## What you need to know

- SIRCOVER (I-0-II) switches have **3 stable positions** and are available as 3 or 4 pole models with ratings of 63 to 3200 A. They are available in steel or polyester enclosures (125 to 1600 A).
- SIRCOVER switches with **3 overlapping contact positions (I-I+II-II)** are available as 3 or 4 pole models from 125 to 1600 A. They are available in steel enclosures.
- With **3 stable positions (I-0-II)** or **3 overlapping contact positions (I-I+II-II)**, SIRCOVER Bypass devices are a combination of three interlocked switches enabling the use with 3+6 or 4+8 poles from 125 to 1600 A. They are available in steel enclosures.
- All SIRCOVER can be operated with **direct front operation** or **external handles**.



- **Connection pieces for copper bars** allows the connection between the 2 power terminals of the same pole (Fig. 1 and 2) and the bridging of switch I and switch II on the top or the bottom for ratings 2000, 2500 and 3200 A (Fig. 3).

Fig. 1

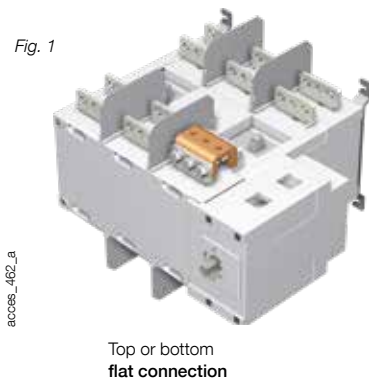


Fig. 2

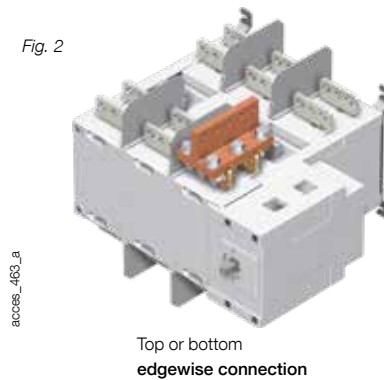
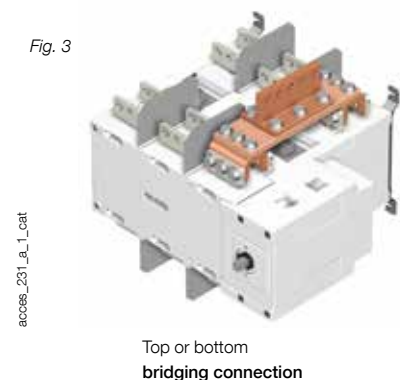


Fig. 3



# SIRCOVER

Manual Transfer Switching Equipment  
from 125 to 3200 A

## References

### SIRCOVER I-0-II

| Rating(A) /<br>Frame size | No. of poles | Switch body | Direct handle                                    | External<br>handle                                                                | Shaft for<br>external handle                                  | Bridging bars                                                            | Auxiliary<br>contact                                                          | Terminal<br>shrouds                | Terminal<br>screens                                                      |                                                                          |                                      |
|---------------------------|--------------|-------------|--------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------|
| 125 A / B3                | 3 P          | 41AC 3013   | J2 type<br>Blue<br>1122 1111<br>Red<br>1123 1111 | S2 type<br>Black<br><br>IP55<br>1421 2113<br><br>IP65<br>1423 2113 <sup>(1)</sup> | 200 mm<br>1400 1020<br><br>320 mm<br>1400 1032 <sup>(1)</sup> | 3 P<br>4109 3019                                                         | 1 <sup>st</sup> /2 <sup>nd</sup> NO/NC<br>contact<br>4109 0021 <sup>(2)</sup> | 3 P<br>2694 3014 <sup>(3)(4)</sup> | 3 P<br>1509 3012                                                         |                                                                          |                                      |
| 160 A / B3                | 4 P          | 41AC 4013   |                                                  |                                                                                   |                                                               | 4 P<br>4109 4019                                                         |                                                                               | 4 P<br>2694 4014 <sup>(3)(4)</sup> | 4 P<br>1509 4012                                                         |                                                                          |                                      |
| 200 A / B3                | 3 P          | 41AC 3020   |                                                  |                                                                                   |                                                               | 4109 3025                                                                |                                                                               | 4109 4025                          | 3 P<br>2694 3021 <sup>(3)(4)</sup><br>4 P<br>2694 4021 <sup>(3)(4)</sup> | 3 P<br>1509 3025<br>4 P<br>1509 4025                                     |                                      |
|                           | 4 P          | 41AC 4020   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 250 A / B4                | 3 P          | 41AC 3025   |                                                  |                                                                                   |                                                               | 4109 3039<br>4 P<br>4109 4039                                            |                                                                               | 4109 3050                          | 4109 4050                                                                | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080 |
|                           | 4 P          | 41AC 4025   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 315 A / B4                | 3 P          | 41AC 3031   |                                                  |                                                                                   |                                                               | 4109 3039<br>4 P<br>4109 4039                                            |                                                                               | 4109 3050                          | 4109 4050                                                                | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080 |
|                           | 4 P          | 41AC 4031   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 400 A / B4                | 3 P          | 41AC 3040   |                                                  |                                                                                   |                                                               | 4109 3039<br>4 P<br>4109 4039                                            |                                                                               | 4109 3050                          | 4109 4050                                                                | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080 |
|                           | 4 P          | 41AC 4040   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 500 A / B5                | 3 P          | 41AC 3050   |                                                  |                                                                                   |                                                               | 4109 3039<br>4 P<br>4109 4039                                            |                                                                               | 4109 3050                          | 4109 4050                                                                | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080 |
|                           | 4 P          | 41AC 4050   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 630 A / B5                | 3 P          | 41AC 3063   |                                                  |                                                                                   |                                                               | 4109 3039<br>4 P<br>4109 4039                                            |                                                                               | 4109 3050                          | 4109 4050                                                                | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080 |
|                           | 4 P          | 41AC 4063   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 800 A / B6                | 3 P          | 41AC 3080   |                                                  |                                                                                   |                                                               | 4109 3039<br>4 P<br>4109 4039                                            |                                                                               | 4109 3050                          | 4109 4050                                                                | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080 |
|                           | 4 P          | 41AC 4080   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 1000 A / B6               | 3 P          | 41AC 3100   | 4109 3039<br>4 P<br>4109 4039                    | 4109 3050                                                                         | 4109 4050                                                     | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080                                          |                                    |                                                                          |                                                                          |                                      |
|                           | 4 P          | 41AC 4100   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 1250 A / B6               | 3 P          | 41AC 3120   | 4109 3039<br>4 P<br>4109 4039                    | 4109 3050                                                                         | 4109 4050                                                     | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080                                          |                                    |                                                                          |                                                                          |                                      |
|                           | 4 P          | 41AC 4120   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 1600 A / B7               | 3 P          | 41AC 3160   | 4109 3039<br>4 P<br>4109 4039                    | 4109 3050                                                                         | 4109 4050                                                     | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080                                          |                                    |                                                                          |                                                                          |                                      |
|                           | 4 P          | 41AC 4160   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 2000 A / B8               | 3 P          | 41AC 3200   | 4109 3039<br>4 P<br>4109 4039                    | 4109 3050                                                                         | 4109 4050                                                     | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080                                          |                                    |                                                                          |                                                                          |                                      |
|                           | 4 P          | 41AC 4200   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 2500 A / B8               | 3 P          | 41AC 3250   | 4109 3039<br>4 P<br>4109 4039                    | 4109 3050                                                                         | 4109 4050                                                     | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080                                          |                                    |                                                                          |                                                                          |                                      |
|                           | 4 P          | 41AC 4250   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |
| 3200 A / B8               | 3 P          | 41AC 3320   | 4109 3039<br>4 P<br>4109 4039                    | 4109 3050                                                                         | 4109 4050                                                     | 3 P<br>2694 3051 <sup>(3)(4)</sup><br>4 P<br>2694 4051 <sup>(3)(4)</sup> | 3 P<br>1509 3080<br>4 P<br>1509 4080                                          |                                    |                                                                          |                                                                          |                                      |
|                           | 4 P          | 41AC 4320   |                                                  |                                                                                   |                                                               |                                                                          |                                                                               |                                    |                                                                          |                                                                          |                                      |

(1) Standard.

(2) 2 contacts supplied: one for position I and one for position II.

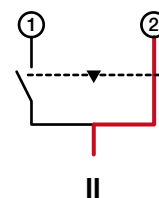
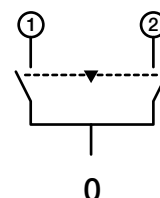
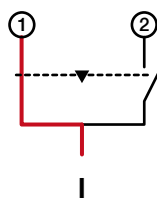
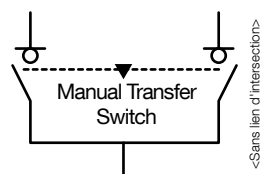
(3) To fully shroud the front and rear at the top and bottom, order quantity 4.

(4) To shroud front switch top and bottom, order quantity 2.

(5) See "Copper bar connection pieces".

## Operating principle

### SIRCOVER I-0-II



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## SIRCOVER I-I+II-II

| Rating (A) /<br>Frame size | No. of poles | Switch body | Direct handle                                            | External<br>handle                | Shaft for<br>external handle       | Bridging bars                        | Auxiliary<br>contact                                                          | Terminal<br>shrouds                                                      | Terminal<br>screens                  |
|----------------------------|--------------|-------------|----------------------------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------|
| 125 A / B3                 | 3 P          | 4190 3013   | J2 type<br><br>Blue<br>1122 1111<br><br>Red<br>1123 1111 | S2 type<br>Blue IP65<br>1423 2114 | 200 mm<br>1400 1020                | 3 P<br>4109 3019<br>4 P<br>4109 4019 | 1 <sup>st</sup> /2 <sup>nd</sup> NO/NC<br>contact<br>4109 0021 <sup>(2)</sup> | 3 P<br>2694 3014 <sup>(3)(4)</sup><br>4 P<br>2694 4014 <sup>(3)(4)</sup> | 3 P<br>1509 3012<br>4 P<br>1509 4012 |
| 160 A / B3                 | 4 P          | 4190 4013   |                                                          |                                   |                                    |                                      |                                                                               |                                                                          |                                      |
|                            | 3 P          | 4190 3016   |                                                          |                                   |                                    |                                      |                                                                               |                                                                          |                                      |
|                            | 4 P          | 4190 4016   |                                                          |                                   |                                    |                                      |                                                                               |                                                                          |                                      |
| 200 A / B3                 | 3 P          | 4190 3020   |                                                          |                                   |                                    |                                      |                                                                               |                                                                          |                                      |
|                            | 4 P          | 4190 4020   |                                                          |                                   |                                    |                                      |                                                                               |                                                                          |                                      |
| 250 A / B4                 | 3 P          | 4190 3025   |                                                          |                                   | 320 mm<br>1400 1032 <sup>(1)</sup> | 4109 3025                            |                                                                               | 3 P<br>2694 3021 <sup>(3)(4)</sup><br>4 P<br>2694 4021 <sup>(3)(4)</sup> | 3 P<br>1509 3025<br>4 P<br>1509 4025 |
|                            | 4 P          | 4190 4025   |                                                          |                                   |                                    | 4109 4025                            |                                                                               |                                                                          |                                      |
| 400 A / B4                 | 3 P          | 4190 3039   |                                                          |                                   |                                    | 4109 3039                            |                                                                               |                                                                          |                                      |
|                            | 4 P          | 4190 4039   |                                                          |                                   |                                    | 4109 4039                            |                                                                               |                                                                          |                                      |
| 630 A / B5                 | 3 P          | 4190 3063   |                                                          |                                   |                                    | 4109 3063                            |                                                                               | 2694 3051 <sup>(3)(4)</sup><br>2694 4051 <sup>(3)(4)</sup>               | 1509 3063                            |
|                            | 4 P          | 4190 4063   |                                                          |                                   |                                    | 4109 4063                            |                                                                               |                                                                          |                                      |
| 800 A / B6                 | 3 P          | 4190 3080   | J3 type<br>Black<br>1132 1111                            | S4 type<br>Blue IP65<br>1443 3114 | 200 mm<br>1401 1520                | 4109 3080                            |                                                                               |                                                                          | 3 P<br>1509 3080<br>4 P<br>1509 4080 |
|                            | 4 P          | 4190 4080   |                                                          |                                   |                                    | 4109 4080                            |                                                                               |                                                                          |                                      |
| 1250 A / B6                | 3 P          | 4190 3120   |                                                          |                                   | 320 mm<br>1401 1532 <sup>(1)</sup> | 4109 3120                            |                                                                               |                                                                          | 1509 3160                            |
|                            | 4 P          | 4190 4120   |                                                          |                                   |                                    | 4109 4120                            |                                                                               |                                                                          |                                      |
| 1600 A / B7                | 3 P          | 4190 3160   |                                                          |                                   |                                    | 4109 3160                            |                                                                               |                                                                          |                                      |
|                            | 4 P          | 4190 4160   |                                                          |                                   |                                    | 4109 4160                            |                                                                               |                                                                          | 1509 4160                            |

(1) Standard.

(2) 2 contacts supplied: one for position I and one for position II.

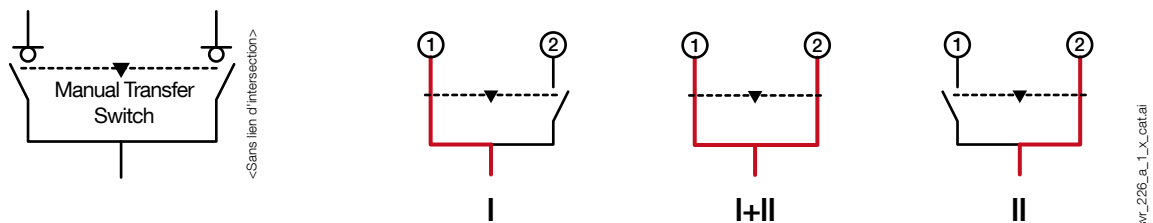
(3) To fully shroud the front and rear at the top and bottom, order quantity 4.

(4) To shroud front switch top and bottom, order quantity 2.

(5) See "Copper bar connection pieces".

## Operating principle

### SIRCOVER I-I+II-II



**Warning:** Please note that in I+II position there is an overlapping.  
In case of 2 sources, make sure they are synchronised before operating.

## References (continued)

### SIRCOVER Bypass I-0-II

| Rating (A) /<br>Frame size | No. of poles | Switch body      | Direct handle                                       | External<br>handle                           | Shaft for<br>external handle              | Bridging bars              | Auxiliary<br>contact                                                                 | Terminal<br>shrouds                                                                    | Terminal<br>screens                                |
|----------------------------|--------------|------------------|-----------------------------------------------------|----------------------------------------------|-------------------------------------------|----------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------|
| 125 A / B3                 | 3 P          | 41AC <b>7013</b> | J2 type<br>Blue<br>1122 <b>1111</b>                 | S2 type<br>Blue IP55<br>1421 <b>2113</b>     | 200 mm<br>1400 <b>1020</b>                | 3 P<br>2x 4109 <b>3019</b> | 1 <sup>st</sup> /2 <sup>nd</sup> NO/NC<br>contact<br>4109 <b>0021</b> <sup>(2)</sup> | 3 P<br>2694 <b>3014</b> <sup>(3)(4)</sup><br>4 P<br>2694 <b>4014</b> <sup>(3)(4)</sup> | 3 P<br>1509 <b>3012</b><br>4 P<br>1509 <b>4012</b> |
|                            | 4 P          | 41AC <b>9013</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 160 A / B3                 | 3 P          | 41AC <b>7016</b> | Red<br>1123 <b>1111</b>                             | Blue IP65<br>1423 <b>2113</b> <sup>(1)</sup> | 320 mm<br>1400 <b>1032</b> <sup>(1)</sup> | 4 P<br>2x 4109 <b>4019</b> |                                                                                      | 3 P<br>2694 <b>3021</b> <sup>(3)(4)</sup><br>4 P<br>2694 <b>4021</b> <sup>(3)(4)</sup> | 3 P<br>1509 <b>3025</b><br>4 P<br>1509 <b>4025</b> |
|                            | 4 P          | 41AC <b>9016</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 200 A / B3                 | 3 P          | 41AC <b>7020</b> | J3 type<br>Black<br>1132 <b>1111</b>                | S3 type<br>Blue IP65<br>1433 <b>3113</b>     | 320 mm<br>1401 <b>1532</b> <sup>(1)</sup> | 2x 4109 <b>4039</b>        |                                                                                      | 2694 <b>3051</b> <sup>(3)(4)</sup><br>2694 <b>4051</b> <sup>(3)(4)</sup>               | 3 P<br>1509 <b>3063</b><br>4 P<br>1509 <b>4063</b> |
|                            | 4 P          | 41AC <b>9020</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 250 A / B4                 | 3 P          | 41AC <b>7025</b> | J4 type<br>Black<br>1142 <b>1111</b> <sup>(5)</sup> | V2 type<br>Black IP65<br>4199 <b>7146</b>    | 200 mm<br>2799 <b>3015</b>                | 2x 4109 <b>3080</b>        |                                                                                      | 3 P<br>1509 <b>3080</b><br>4 P<br>1509 <b>4080</b>                                     |                                                    |
|                            | 4 P          | 41AC <b>9025</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 400 A / B4                 | 3 P          | 41AC <b>7040</b> | J4 type<br>Black<br>1142 <b>1111</b> <sup>(5)</sup> | V2 type<br>Black IP65<br>4199 <b>7146</b>    | 320 mm<br>2799 <b>3018</b> <sup>(1)</sup> | 2x 4109 <b>3120</b>        |                                                                                      | 2x 4109 <b>4120</b>                                                                    | 1509 <b>3160</b><br>1509 <b>4160</b>               |
|                            | 4 P          | 41AC <b>9040</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 630 A / B5                 | 3 P          | 41AC <b>7063</b> | J4 type<br>Black<br>1142 <b>1111</b> <sup>(5)</sup> | V2 type<br>Black IP65<br>4199 <b>7146</b>    | 450 mm<br>2799 <b>3019</b>                | 2x 4109 <b>3160</b>        |                                                                                      | 2x 4109 <b>4160</b>                                                                    | 1509 <b>3160</b><br>1509 <b>4160</b>               |
|                            | 4 P          | 41AC <b>9063</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 800 A / B6                 | 3 P          | 41AC <b>7080</b> | J4 type<br>Black<br>1142 <b>1111</b> <sup>(5)</sup> | V2 type<br>Black IP65<br>4199 <b>7146</b>    | 450 mm<br>2799 <b>3019</b>                | 2x 4109 <b>3160</b>        | 2x 4109 <b>4160</b>                                                                  | 1509 <b>3160</b><br>1509 <b>4160</b>                                                   |                                                    |
|                            | 4 P          | 41AC <b>9080</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 1250 A / B6                | 3 P          | 41AC <b>7120</b> | J4 type<br>Black<br>1142 <b>1111</b> <sup>(5)</sup> | V2 type<br>Black IP65<br>4199 <b>7146</b>    | 450 mm<br>2799 <b>3019</b>                | 2x 4109 <b>3160</b>        | 2x 4109 <b>4160</b>                                                                  | 1509 <b>3160</b><br>1509 <b>4160</b>                                                   |                                                    |
|                            | 4 P          | 41AC <b>9120</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |
| 1600 A / B7                | 3 P          | 41AC <b>7160</b> | J4 type<br>Black<br>1142 <b>1111</b> <sup>(5)</sup> | V2 type<br>Black IP65<br>4199 <b>7146</b>    | 450 mm<br>2799 <b>3019</b>                | 2x 4109 <b>3160</b>        | 2x 4109 <b>4160</b>                                                                  | 1509 <b>3160</b><br>1509 <b>4160</b>                                                   |                                                    |
|                            | 4 P          | 41AC <b>9160</b> |                                                     |                                              |                                           |                            |                                                                                      |                                                                                        |                                                    |

(1) Standard.

(2) 2 contacts supplied: one for position I and one for position II.

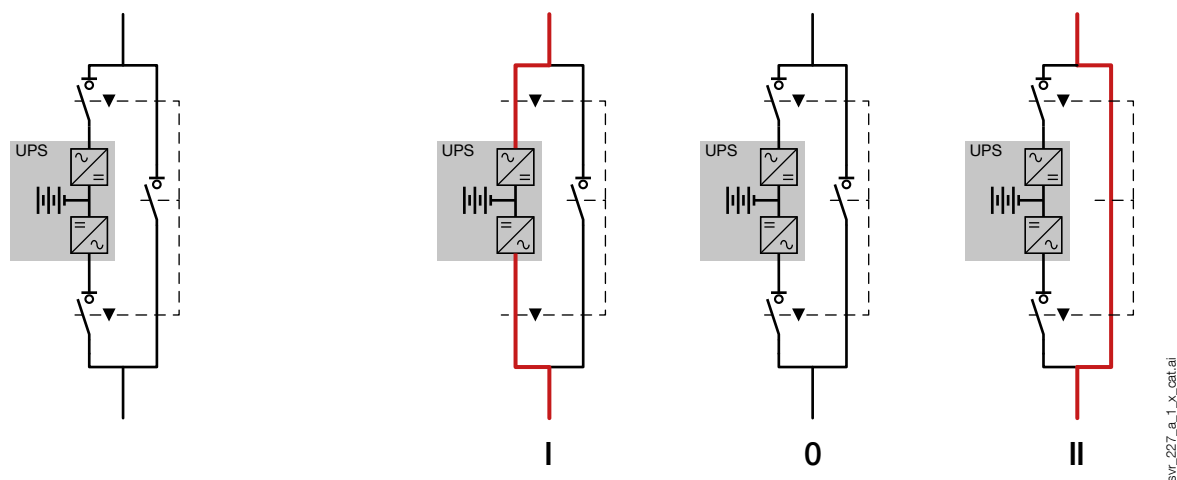
(3) To fully shroud the front and rear at the top and bottom, order quantity 6 (or 4 if using bridging bars).

(4) To shroud front switch top and bottom, order quantity 2.

(5) Double lever handle.

## Operating principle

### SIRCOVER Bypass I-0-II



## SIRCOVER Bypass I-I+II-II

| Rating (A) / Frame size | No. of poles | Switch body | Direct handle                                        | External handle                                   | Shaft for external handle          | Bridging bars | Auxiliary contact                                                             | Terminal shrouds            | Terminal screens |
|-------------------------|--------------|-------------|------------------------------------------------------|---------------------------------------------------|------------------------------------|---------------|-------------------------------------------------------------------------------|-----------------------------|------------------|
| 125 A / B3              | 3 P          | 46AC 7013   | J2 type<br>Blue<br>1122 1111<br><br>Red<br>1123 1111 | S2 type<br>Blue IP 65<br>1423 2114 <sup>(1)</sup> | 200 mm<br>1400 1020                | 3 P           | 1 <sup>st</sup> /2 <sup>nd</sup> NO/NC<br>contact<br>4109 0021 <sup>(2)</sup> | 3 P                         | 3 P              |
|                         | 4 P          | 46AC 9013   |                                                      |                                                   |                                    | 2x 4109 3019  |                                                                               | 2694 3014 <sup>(3)(4)</sup> | 1509 3012        |
| 160 A / B3              | 3 P          | 46AC 7016   |                                                      |                                                   | 320 mm<br>1400 1032 <sup>(1)</sup> | 4 P           |                                                                               | 4 P                         | 4 P              |
|                         | 4 P          | 46AC 9016   |                                                      |                                                   |                                    | 2x 4109 4019  |                                                                               | 2694 4014 <sup>(3)(4)</sup> | 1509 4012        |
| 200 A / B3              | 3 P          | 46AC 7020   | J3 type<br>Black<br>1132 1111                        | S3 type<br>Blue IP65<br>1433 3114                 |                                    |               |                                                                               |                             |                  |
|                         | 4 P          | 46AC 9020   |                                                      |                                                   |                                    |               |                                                                               |                             |                  |
| 250 A / B4              | 3 P          | 46AC 7025   |                                                      |                                                   | 200 mm<br>1401 1520                | 2x 4109 3025  |                                                                               | 3 P                         | 3 P              |
|                         | 4 P          | 46AC 9025   |                                                      |                                                   |                                    | 2x 4109 4025  |                                                                               | 2694 3021 <sup>(3)(4)</sup> | 1509 3025        |
| 400 A / B4              | 3 P          | 46AC 7040   | J4 type<br>Black<br>1142 1111 <sup>(5)</sup>         | V2 type<br>Black IP65<br>4199 7146                | 320 mm<br>1401 1532 <sup>(1)</sup> | 2x 4109 3039  |                                                                               | 4 P                         | 4 P              |
|                         | 4 P          | 46AC 9040   |                                                      |                                                   |                                    | 2x 4109 4039  |                                                                               | 2694 4021 <sup>(3)(4)</sup> | 1509 4025        |
| 630 A / B5              | 3 P          | 46AC 7063   |                                                      |                                                   |                                    | 2x 4109 3063  |                                                                               | 2694 3051 <sup>(3)(4)</sup> | 1509 3063        |
|                         | 4 P          | 46AC 9063   |                                                      |                                                   |                                    | 2x 4109 4063  |                                                                               | 2694 4051 <sup>(3)(4)</sup> | 1509 4063        |
| 800 A / B6              | 3 P          | 46AC 7080   | J4 type<br>Black<br>1142 1111 <sup>(5)</sup>         | V2 type<br>Black IP65<br>4199 7146                | 200 mm<br>2799 3015                | 2x 4109 3080  |                                                                               |                             | 3 P              |
|                         | 4 P          | 46AC 9080   |                                                      |                                                   |                                    | 2x 4109 4080  |                                                                               |                             | 1509 3080        |
| 1250 A / B6             | 3 P          | 46AC 7120   |                                                      |                                                   | 320 mm<br>2799 3018 <sup>(1)</sup> | 2x 4109 3120  |                                                                               |                             | 4 P              |
|                         | 4 P          | 46AC 9120   |                                                      |                                                   |                                    | 2x 4109 4120  |                                                                               |                             | 1509 4080        |
| 1600 A / B7             | 3 P          | 46AC 7160   |                                                      |                                                   | 450 mm                             | 2x 4109 3160  |                                                                               |                             | 1509 3160        |
|                         | 4 P          | 46AC 9160   |                                                      |                                                   | 2799 3019                          | 2x 4109 4160  |                                                                               |                             | 1509 4160        |

(1) Standard.

(2) 2 contacts supplied: one for position I and one for position II.

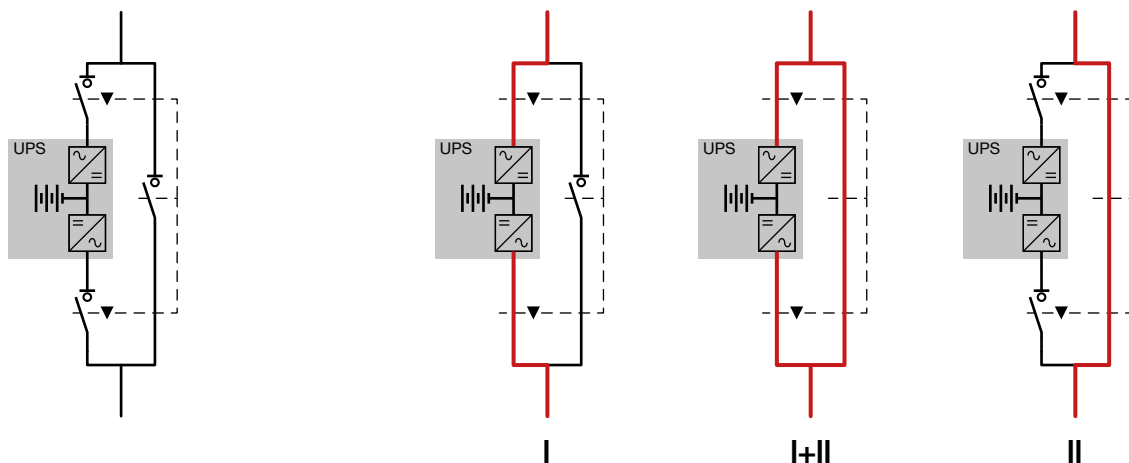
(3) To fully shroud the front and rear at the top and bottom, order quantity 6 or 4 if using bridging bars.

(4) To shroud front switch top and bottom, order quantity 2.

(5) Double lever handle.

## Operating principle

### SIRCOVER Bypass I-I+II-II



svr\_228\_a\_1\_x\_cat.ai

**Warning:** Please note that in I+II position there is an overlapping.  
In case of UPS, make sure it is working on static bypass mode before operating.

## Accessories

### Direct operation handle

| SIRCOVER I-0-II and I-I+II-II |            |               |             |                                |
|-------------------------------|------------|---------------|-------------|--------------------------------|
| Rating (A)                    | Frame size | Handle colour | Handle type | Reference                      |
| 125 ... 630                   | B3 ... B5  | Blue          | J2          | 1122 <b>1111</b>               |
| 125 ... 630                   | B3 ... B5  | Red           | J2          | 1123 <b>1111</b>               |
| 800 ... 1600                  | B6 ... B7  | Blue          | J3          | 1132 <b>1111</b>               |
| 2000 ... 3200                 | B8         | Black         | S5          | 2799 <b>7042<sup>(1)</sup></b> |

| SIRCOVER Bypass |            |               |             |                                |
|-----------------|------------|---------------|-------------|--------------------------------|
| Rating (A)      | Frame size | Handle colour | Handle type | Reference                      |
| 125 ... 200     | B3         | Blue          | J2          | 1122 <b>1111</b>               |
| 250 ... 630     | B4 ... B5  | Blue          | J3          | 1132 <b>1111</b>               |
| 800 ... 1600    | B6 ... B7  | Blue          | J4          | 1142 <b>1111<sup>(1)</sup></b> |

(1) Double lever handle.



### External operation handle

#### Use

Door interlocked external front operation handles include an escutcheon, are padlockable and must be utilised with an extension shaft.

| SIRCOVER I-0-II and I-I+II-II |            |                |                            |             |                                |
|-------------------------------|------------|----------------|----------------------------|-------------|--------------------------------|
| Rating (A)                    | Frame size | Switching type | External IP <sup>(1)</sup> | Handle type | Reference                      |
| 125 ... 630                   | B3 ... B5  | I - 0 - II     | IP55                       | S2          | 1421 <b>2113</b>               |
| 125 ... 630                   | B3 ... B5  | I - 0 - II     | IP65                       | S2          | 1423 <b>2113</b>               |
| 125 ... 630                   | B3 ... B5  | I - I+II - II  | IP65                       | S2          | 1423 <b>2114</b>               |
| 800 ... 1600                  | B6 ... B7  | I - 0 - II     | IP65                       | S4          | 1443 <b>3113<sup>(2)</sup></b> |
| 800 ... 1600                  | B6 ... B7  | I - I+II - II  | IP65                       | S4          | 1443 <b>3114<sup>(2)</sup></b> |
| 2000 ... 3200                 | B8         | I - 0 - II     | IP65                       | S5          | 1453 <b>8113<sup>(2)</sup></b> |

(1) IP: protection index according to IEC 60529.

(2) Double lever handle.

| SIRCOVER Bypass |            |                |                            |             |                  |
|-----------------|------------|----------------|----------------------------|-------------|------------------|
| Rating (A)      | Frame size | Switching type | External IP <sup>(1)</sup> | Handle type | Reference        |
| 125 ... 200     | B3         | I - 0 - II     | IP55                       | S2          | 1421 <b>2113</b> |
| 125 ... 200     | B3         | I - 0 - II     | IP65                       | S2          | 1423 <b>2113</b> |
| 250 ... 630     | B4 ... B5  | I - 0 - II     | IP65                       | S3          | 1433 <b>3113</b> |
| 800 ... 1600    | B6 ... B7  | I - 0 - II     | IP65                       | V2          | 4199 <b>7146</b> |

(1) IP: protection index according to IEC 60529.

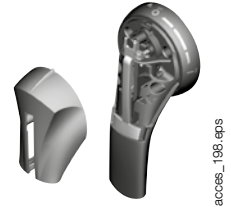


## Alternative S type handle cover colours

### Use

For single lever handles S2, S3 and for double lever handle S4.  
Other colours available: consult us.

| Colour     | To be ordered in multiples of | Handle type | Reference |
|------------|-------------------------------|-------------|-----------|
| Light grey | 50                            | S2, S3      | 1401 0001 |
| Dark grey  | 50                            | S2, S3      | 1401 0011 |
| Light grey | 50                            | S4          | 1401 0031 |
| Dark grey  | 50                            | S4          | 1401 0041 |



## S type handle adapter

### Use

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

### Dimensions

Add 12 mm to the handle depth.

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

(1) IP: protection index according to IEC 60529.



## Shaft guide for external operation

### Use

For use with S type handles, 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. Recommended for a shaft length over 320 mm.

| Designation | Reference |
|-------------|-----------|
| Shaft guide | 1429 0000 |



## Accessories (continued)

### Shaft for external operation

#### Use

Standard lengths:

- 200 mm,
- 320 mm,
- 450 mm.

Other lengths available: consult us.



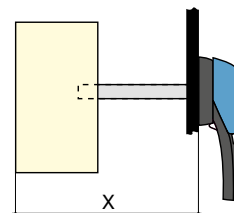
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| SIRCOVER I-0-II and I-I+II-II |            |             |              |                  |
|-------------------------------|------------|-------------|--------------|------------------|
| Rating (A)                    | Frame size | Length (mm) | Side X (mm)  | Reference        |
| 125 ... 400                   | B3 ... B4  | 200         | 210 ... 310  | 1400 <b>1020</b> |
| 125 ... 400                   | B3 ... B4  | 320         | 210 ... 430  | 1400 <b>1032</b> |
| 500 ... 630                   | B5         | 200         | 280 ... 390  | 1400 <b>1020</b> |
| 500 ... 630                   | B5         | 320         | 280 ... 510  | 1400 <b>1032</b> |
| 800 ... 1600                  | B6 ... B7  | 200         | 425 ... 577  | 1401 <b>1520</b> |
| 800 ... 1600                  | B6 ... B7  | 320         | 425 ... 697  | 1401 <b>1532</b> |
| 2000 ... 3200                 | B8         | 200         | 653 ... 803  | 2799 <b>3015</b> |
| 2000 ... 3200                 | B8         | 320         | 653 ... 923  | 2799 <b>3018</b> |
| 2000 ... 3200                 | B8         | 450         | 653 ... 1053 | 2799 <b>3019</b> |

| SIRCOVER Bypass |            |             |             |                  |
|-----------------|------------|-------------|-------------|------------------|
| Rating (A)      | Frame size | Length (mm) | Side X (mm) | Reference        |
| 125 ... 200     | B3         | 200         | 320 ... 450 | 1400 <b>1020</b> |
| 125 ... 200     | B3         | 320         | 320 ... 570 | 1400 <b>1032</b> |
| 250 ... 400     | B4         | 200         | 298 ... 420 | 1401 <b>1520</b> |
| 250 ... 400     | B4         | 320         | 298 ... 540 | 1401 <b>1532</b> |
| 630             | B5         | 200         | 417 ... 539 | 1401 <b>1520</b> |
| 630             | B5         | 320         | 417 ... 659 | 1401 <b>1532</b> |
| 800 ... 1600    | B6 ... B7  | 200         | 550 ... 680 | 2799 <b>3015</b> |
| 800 ... 1600    | B6 ... B7  | 320         | 550 ... 800 | 2799 <b>3018</b> |
| 800 ... 1600    | B6 ... B7  | 450         | 550 ... 930 | 2799 <b>3019</b> |



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### Bridging bars

#### Use

For creating a common connection between switches I & II, on the top or bottom side of the SIRCOVER, to enable, for example, the load to be fed from either incoming source (I or II).

For SIRCOVER Bypass, two sets of bridging bars are required (3/6 pole or 4/8 pole switch).

| Rating (A)   | Frame size | No. of poles | Diameter (mm) | Reference        |
|--------------|------------|--------------|---------------|------------------|
| 125 ... 200  | B3         | 3 P          | 20 x 2.5      | 4109 <b>3019</b> |
| 125 ... 200  | B3         | 4 P          | 20 x 2.5      | 4109 <b>4019</b> |
| 250          | B4         | 3 P          | 25 x 2.5      | 4109 <b>3025</b> |
| 250          | B4         | 4 P          | 25 x 2.5      | 4109 <b>4025</b> |
| 315 ... 400  | B4         | 3 P          | 32 x 5        | 4109 <b>3039</b> |
| 315 ... 400  | B4         | 4 P          | 32 x 5        | 4109 <b>4039</b> |
| 500          | B5         | 3 P          | 32 x 5        | 4109 <b>3050</b> |
| 500          | B5         | 4 P          | 32 x 5        | 4109 <b>4050</b> |
| 630          | B5         | 3 P          | 50 x 5        | 4109 <b>3063</b> |
| 630          | B5         | 4 P          | 50 x 5        | 4109 <b>4063</b> |
| 800 ... 1000 | B6         | 3 P          | 50 x 6        | 4109 <b>3080</b> |
| 800 ... 1000 | B6         | 4 P          | 50 x 6        | 4109 <b>4080</b> |
| 1250         | B6         | 3 P          | 60 x 8        | 4109 <b>3120</b> |
| 1250         | B6         | 4 P          | 60 x 8        | 4109 <b>4120</b> |
| 1600         | B7         | 3 P          | 90 x 10       | 4109 <b>3160</b> |
| 1600         | B7         | 4 P          | 90 x 10       | 4109 <b>4160</b> |

#### SIRCOVER I-0-II and SIRCOVER I-I+II-II

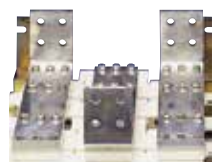


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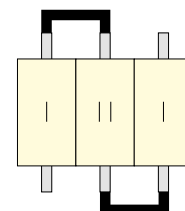
#### SIRCOVER Bypass



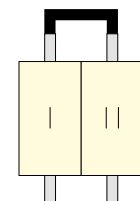
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## Copper bar connection pieces

### Use

For ratings 2000 to 3200 A.

Enables:

- Flat connection: the connection pieces provide a link between the two power terminals of the same pole (Fig. 1).
- Edgewise connection: the connection pieces provide a link between the two power terminals of the same pole and an edgewise bar connection terminal.
- Top or bottom bridging between two poles (Fig. 3).

Once installed, the power terminal is connection ready.

For 3200 A rating, connection pieces (part A) are supplied as standard. Bolt sets must be ordered separately.

Connection: the quantities given in the below table refer to the number of pieces required per pole, top or bottom.

Bridging connection: the quantities given refer to the number of pieces required to complete a single bridging connection between two poles.

|                             | Reference | 2000 – 2500 A    |            |                            | 3200 A           |            |                            |
|-----------------------------|-----------|------------------|------------|----------------------------|------------------|------------|----------------------------|
|                             |           | Fig. 1           | Fig. 2     | Fig. 3                     | Fig. 1           | Fig. 2     | Fig. 3                     |
|                             |           | Connection       | Connection | Bridging connection I - II | Connection       | Connection | Bridging connection I - II |
| Connection - part A         | 2619 1200 | 1                | 1          | 2 <sup>(2)</sup>           | included         | included   | included                   |
| Bolt kit 35 mm - part B     | 2699 1201 | 1 <sup>(1)</sup> |            | 2 <sup>(2)</sup>           | 1 <sup>(1)</sup> |            | 2 <sup>(2)</sup>           |
| Bolt kit 45 mm - part B     | 2699 1200 | 1 <sup>(1)</sup> |            |                            | 1 <sup>(1)</sup> |            |                            |
| T + Bolt kit - part C       | 2629 1200 |                  | 1          | 1                          |                  | 1          | 1                          |
| Bracket + Bolt kit - part D | 2639 1200 |                  | 1          |                            |                  | 1          |                            |
| Bar + Bolt kit - part E     | 4109 0320 |                  |            | 1                          |                  |            | 1                          |

(1) Choose the bolt length according to the thickness of the bars being connected; if bar thickness is greater than 20 mm, 45 mm bolts are required.

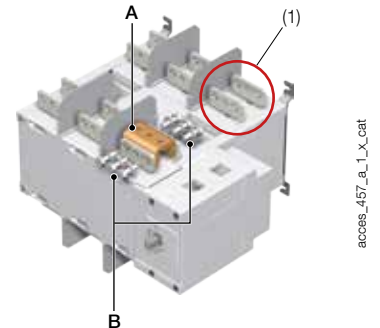
(2) For bridging connections, quantity 2 pieces are required for creating the link between the two power terminals of the same pole for switch bodies I and II.

The quantities of the applicable pieces then need to be multiplied by the number of connection points (power terminals) in order to determine the total quantity required of each part.

Example: for a 4 pole 2500 A SIRCOVER with upstream edgewise connection (Fig. 2) and downstream bridging (Fig. 3), the following quantities will be required:

| Part | Upstream edgewise quantity | Downstream bridging quantity | Total quantity |
|------|----------------------------|------------------------------|----------------|
| A    | 8                          | 8                            | 16             |
| B    | 0                          | 8                            | 8              |
| C    | 8                          | 4                            | 12             |
| D    | 8                          | 0                            | 8              |
| E    | 0                          | 4                            | 4              |

Fig. 1



(1) Single pole connection: 1 pole (top or bottom) comprises two power terminals which are to be linked with the copper connection kit.

Fig. 2

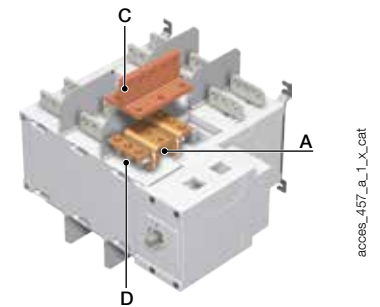
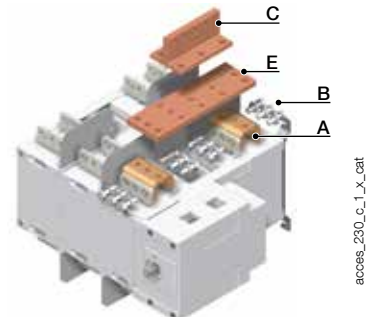


Fig. 3



## Auxiliary contact

### Use

Pre-breaking and signalling of positions I and II: 1 to 2 NO/NC auxiliary contacts in each position.

Low level AC: consult us.

### Connection to the control circuit

By 6.35 mm fast-on terminal.

### Electrical characteristics

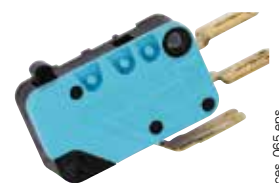
30,000 operations.

### Characteristics

| Rating (A)   | Frame size | Nominal current (A) | Operating current I <sub>e</sub> (A) |               |              |              |
|--------------|------------|---------------------|--------------------------------------|---------------|--------------|--------------|
|              |            |                     | 250 VAC AC-13                        | 400 VAC AC-13 | 24 VDC DC-13 | 48 VDC DC-13 |
| 125 ... 3200 | B3... B8   | 16                  | 12                                   | 8             | 14           | 6            |

### NO/NC changeover contact

| Rating (A)    | Frame size | Contact(s)                        | Reference |
|---------------|------------|-----------------------------------|-----------|
| 125 ... 1600  | B3 ... B7  | 1 <sup>st</sup> / 2 <sup>nd</sup> | 4109 0021 |
| 2000 ... 3200 | B8         | 1 <sup>st</sup> / 2 <sup>nd</sup> | included  |



## Accessories (continued)

### Terminal shrouds

#### Use

Protection against direct contact with terminals or connecting parts.

#### Advantage

Perforations allow remote thermographic inspection without the need to remove the shrouds.

| Rating (A)  | Frame size | No. of poles | Position                             | Reference                          |
|-------------|------------|--------------|--------------------------------------|------------------------------------|
| 125 ... 200 | B3         | 3 P          | top / bottom / front (I) / rear (II) | 2694 <b>3014</b> <sup>(1)(2)</sup> |
| 125 ... 200 | B3         | 4 P          | top / bottom / front (I) / rear (II) | 2694 <b>4014</b> <sup>(1)(2)</sup> |
| 250 ... 400 | B4         | 3 P          | top / bottom / front (I) / rear (II) | 2694 <b>3021</b> <sup>(1)(2)</sup> |
| 250 ... 400 | B4         | 4 P          | top / bottom / front (I) / rear (II) | 2694 <b>4021</b> <sup>(1)(2)</sup> |
| 500 ... 630 | B5         | 3 P          | top / bottom / front (I) / rear (II) | 2694 <b>3051</b> <sup>(1)(2)</sup> |
| 500 ... 630 | B5         | 4 P          | top / bottom / front (I) / rear (II) | 2694 <b>4051</b> <sup>(1)(2)</sup> |



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(1) For complete shrouding at front, rear, top and bottom, order 4 x for a SIRCOVER and 6 x for a SIRCOVER Bypass; if equipped with bridging bars order 3 x for a SIRCOVER and 4 x for a SIRCOVER Bypass.

(2) For top and bottom shrouding for the front only, order 2 x for a SIRCOVER and a SIRCOVER Bypass.

### Terminal screens

#### Use

Upstream and downstream protection against direct contact with terminals or connection parts. For upstream and downstream protection, order quantity 1.

| Rating (A)    | Frame size | No. of poles | Position     | Reference        |
|---------------|------------|--------------|--------------|------------------|
| 125 ... 200   | B3         | 3 P          | top / bottom | 1509 <b>3012</b> |
| 125 ... 200   | B3         | 4 P          | top / bottom | 1509 <b>4012</b> |
| 250 ... 400   | B4         | 3 P          | top / bottom | 1509 <b>3025</b> |
| 250 ... 400   | B4         | 4 P          | top / bottom | 1509 <b>4025</b> |
| 500 ... 630   | B5         | 3 P          | top / bottom | 1509 <b>3063</b> |
| 500 ... 630   | B5         | 4 P          | top / bottom | 1509 <b>4063</b> |
| 800 ... 1250  | B6         | 3 P          | top / bottom | 1509 <b>3080</b> |
| 800 ... 1250  | B6         | 4 P          | top / bottom | 1509 <b>4080</b> |
| 1600          | B7         | 3 P          | top / bottom | 1509 <b>3160</b> |
| 1600          | B7         | 4 P          | top / bottom | 1509 <b>4160</b> |
| 2000 ... 3200 | B8         | 3 / 4 P      | top / bottom | included         |



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### Inter-phase barrier

#### Use

Safe isolation between the terminals, essential for use at 690 VAC or in a polluted or dusty atmosphere.

| Rating (A)   | Frame size | No. of poles | Reference        |
|--------------|------------|--------------|------------------|
| 125 ... 200  | B3         | 3 P          | 2998 <b>0033</b> |
| 125 ... 200  | B3         | 4 P          | 2998 <b>0034</b> |
| 250 ... 400  | B4         | 3 P          | 2998 <b>0023</b> |
| 250 ... 400  | B4         | 4 P          | 2998 <b>0024</b> |
| 500 ... 630  | B5         | 3 P          | 2998 <b>0013</b> |
| 500 ... 630  | B5         | 4 P          | 2998 <b>0014</b> |
| 800 ... 3200 | B6 ... B8  | 3/4 P        | included         |

## Key handle interlocking system

| Padlocking in position I, 0 or II |                                         |           |        |                  |
|-----------------------------------|-----------------------------------------|-----------|--------|------------------|
| SIRCOVER Rating (A) / Frame size  | SIRCOVER Bypass Rating (A) / Frame size | Operation | Figure | Reference        |
| 125 ... 630 / B3 ... B5           | 125 ... 200 / B3                        | external  | 1      | 1423 <b>2813</b> |

| Locking using RONIS EL11AP lock in position 0 (not included) |                                         |           |        |                                 |
|--------------------------------------------------------------|-----------------------------------------|-----------|--------|---------------------------------|
| SIRCOVER Rating (A) / Frame size                             | SIRCOVER Bypass Rating (A) / Frame size | Operation | Figure | Reference                       |
| 125 ... 630 / B3 ... B5                                      | 125 ... 200 / B3                        | direct    | 2      | 4109 <b>1006</b> <sup>(1)</sup> |
|                                                              | 250 ... 630 / B4 ... B5                 | direct    | 3      | consult us                      |
| 800 ... 1600 / B6 ... B7                                     | 800 ... 1600 / B6 ... B7                | direct    | 3      | 4109 <b>1004</b> <sup>(2)</sup> |
| 2000 ... 3200 / B8                                           |                                         | direct    | 3      | 4109 <b>2007</b> <sup>(2)</sup> |
| 125 ... 630 / B3 ... B5                                      | 125 ... 630 / B3 ... B5                 | external  | 4      | 1499 <b>7701</b> <sup>(2)</sup> |
| 2000 ... 3200 / B8                                           | 800 ... 1600 / B6 ... B7                | external  | 4      | 2799 <b>7002</b> <sup>(2)</sup> |

(1) Specific handle included.

(2) This locking facility can be configured by the user in the 3 positions.

| Locking using RONIS EL11AP lock in position I, 0, II (not included) |                                         |           |        |                                 |
|---------------------------------------------------------------------|-----------------------------------------|-----------|--------|---------------------------------|
| SIRCOVER Rating (A) / Frame size                                    | SIRCOVER Bypass Rating (A) / Frame size | Operation | Figure | Reference                       |
| 125 ... 630 / B3 ... B5                                             | 125 ... 200 / B3                        | direct    | 2      | 4109 <b>1002</b> <sup>(1)</sup> |
|                                                                     | 250 ... 630 / B4 ... B5                 | direct    | 3      | consult us                      |
| 800 ... 1600 / B6 ... B7                                            | 800 ... 1600 / B6 ... B7                | direct    | 3      | 4109 <b>1004</b> <sup>(2)</sup> |
| 2000 ... 3200 / B8                                                  |                                         | direct    | 3      | 4109 <b>2007</b> <sup>(2)</sup> |
| 125 ... 630 / B3 ... B5                                             | 125 ... 630 / B3 ... B5                 | external  | 4      | 1499 <b>7701</b> <sup>(2)</sup> |
| 2000 ... 3200                                                       | 800 ... 1600 / B6 ... B7                | external  | 4      | 2799 <b>7002</b> <sup>(2)</sup> |

(1) Specific handle included.

(2) This locking facility can be configured by the user in the 3 positions.

| Locking using 230 VAC undervoltage coil in position 0 (factory fitted) |                                         |           |        |            |
|------------------------------------------------------------------------|-----------------------------------------|-----------|--------|------------|
| SIRCOVER Rating (A) / Frame size                                       | SIRCOVER Bypass Rating (A) / Frame size | Operation | Figure | Reference  |
| 800 ... 3200 / B6 ... B8                                               | 800 ... 1600 / B6 ... B7                | direct    | 3      | consult us |

| Locking using Type K CASTELL lock (not supplied) |                                         |           |        |                  |
|--------------------------------------------------|-----------------------------------------|-----------|--------|------------------|
| SIRCOVER Rating (A) / Frame size                 | SIRCOVER Bypass Rating (A) / Frame size | Operation | Figure | Reference        |
| 125 ... 1600 / B3 ... B7                         | 125 ... 630 / B3 ... B5                 | external  | 4      | 1499 <b>7702</b> |
| 2000 ... 3200 / B8                               | 800 ... 1600 / B6 ... B7                | external  | 4      | 2799 <b>7003</b> |

### Use

- Padlocked (padlock not included). This device is factory mounted in the direct or external operation handle and allows the use of up to 3 padlocks.
- Locking:
  - using lock (not supplied),
  - using undervoltage coil.
- The interlocking positions are either determined as standard or configured by the user by removing the pre-form tabs.
- Padlocking and locking can be combined.

Fig. 1

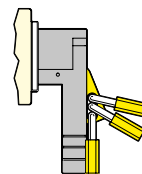


Fig. 2

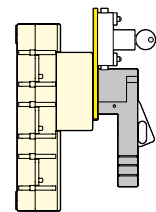
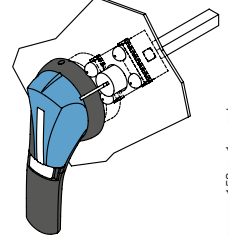


Fig. 3



Fig. 4



## Other specific accessories



- Customised protection screens (for specific dimensions or high ambient temperatures).
- Connection accessories.
- Low level auxiliary contacts.

## Characteristics according to IEC 60947-3 and IEC 60947-6-1

### 125 to 630 A

| Thermal current I <sup>th</sup> at 40°C               | 125 A | 160 A | 200 A | 250 A | 315 A | 400 A | 500 A | 630 A |
|-------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frame size                                            | B3    | B3    | B3    | B4    | B4    | B4    | B5    | B5    |
| Rated insulation voltage U <sub>i</sub> (V)           | 800   | 800   | 800   | 1000  | 1000  | 1000  | 1000  | 1000  |
| Rated impulse withstand voltage U <sub>imp</sub> (kV) | 8     | 8     | 8     | 12    | 12    | 12    | 12    | 12    |

#### Rated operational currents I<sub>e</sub> (A) according to IEC 60947-6-1

| 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> |
|---------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 415 VAC       | AC-31 B              | 125                | 160                | 200                | 250                | 315                | 400                | 500                | 630                |
| 415 VAC       | AC-32 B              |                    |                    |                    | 200                | 315                | 400                | 500                | 500                |
| 415 VAC       | AC-33 B              |                    |                    |                    | 200                | 200                | 200                | 400                | 400                |

#### Rated operational currents I<sub>e</sub> (A) according to IEC 60947-3

| 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> |
|------------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 415 VAC                | AC-21 A / AC-21 B    | 125/125            | 160/160            | 200/200            | 250/250            | 315/315            | 400/400            | 500/500            | 630/630            |
| 415 VAC                | AC-22 A / AC-22 B    | 125/125            | 160/160            | 200/200            | 250/250            | 315/315            | 400/400            | 500/500            | 630/630            |
| 415 VAC                | AC-23 A / AC-23 B    | 125/125            | 160/160            | 200/200            | 200/200            | 315/315            | 400/400            | 500/500            | 500/630            |
| 500 VAC                | AC-21 A / AC-21 B    | 125/125            | 160/160            | 200/200            | 250/250            | 315/315            | 400/400            | 500/500            | 630/630            |
| 500 VAC                | AC-22 A / AC-22 B    | 125/125            | 160/160            | 200/200            | 200/250            | 200/315            | 200/400            | 500/500            | 500/500            |
| 500 VAC                | AC-23 A / AC-23 B    | 80/80              | 80/80              | 80/80              | 200/200            | 200/200            | 200/200            | 400/400            | 400/400            |
| 690 VAC <sup>(3)</sup> | AC-21 A / AC-21 B    | 125/125            | 160/160            | 200/200            | 200/200            | 200/200            | 200/200            | 500/500            | 500/500            |
| 690 VAC <sup>(3)</sup> | AC-22 A / AC-22 B    | 125/125            | 125/125            | 125/125            | 160/160            | 160/160            | 160/160            | 400/400            | 400/400            |
| 690 VAC <sup>(3)</sup> | AC-23 A / AC-23 B    | 63/80              | 63/80              | 63/80              | 125/125            | 125/125            | 125/125            | 400/400            | 400/400            |
| 220 VDC                | DC-21 A / DC-21 B    | 125/125            | 160/160            | 200/200            | 250/250            | 250/250            | 250/250            | 500/500            | 630/630            |
| 220 VDC                | DC-22 A / DC-22 B    | 125/125            | 160/160            | 200/200            | 250/250            | 250/250            | 250/250            | 500/500            | 630/630            |
| 220 VDC                | DC-23 A / DC-23 B    | 125/125            | 125/125            | 125/125            | 200/200            | 200/200            | 200/200            | 500/500            | 630/630            |
| 440 VDC <sup>(2)</sup> | DC-21 A / DC-21 B    | 125/125            | 125/125            | 125/125            | 200/200            | 200/200            | 200/200            | 500/500            | 630/630            |
| 440 VDC <sup>(2)</sup> | DC-22 A / DC-22 B    | 125/125            | 125/125            | 125/125            | 200/200            | 200/200            | 200/200            | 500/500            | 630/630            |
| 440 VDC <sup>(2)</sup> | DC-23 A / DC-23 B    | 125/125            | 125/125            | 125/125            | 200/200            | 200/200            | 200/200            | 500/500            | 630/630            |

#### Operation power in AC-23 (kW)<sup>(4)</sup>

|                                 |       |       |         |         |         |         |         |         |
|---------------------------------|-------|-------|---------|---------|---------|---------|---------|---------|
| At 415 VAC without AC pre-break | 58/58 | 75/75 | 100/100 | 100/100 | 145/145 | 190/190 | 235/235 | 235/280 |
| At 690 VAC without AC pre-break | 50/62 | 50/62 | 50/62   | 90/90   | 90/90   | 90/90   | 310/310 | 310/310 |

#### Reactive power (kvar)<sup>(4)</sup>

|                   |       |       |         |         |         |         |         |         |
|-------------------|-------|-------|---------|---------|---------|---------|---------|---------|
| At 415 VAC (kvar) | 60/60 | 75/75 | 100/100 | 125/125 | 150/150 | 200/200 | 250/250 | 250/300 |
|-------------------|-------|-------|---------|---------|---------|---------|---------|---------|

#### Fuse protected short-circuit withstand as per IEC 60947-3 (kA rms prospective)

|                                                                         |     |     |     |     |     |     |     |     |
|-------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Prospective short-circuit current with gG DIN fuses at 415 VAC (kA rms) | 100 | 100 | 50  | 50  | 50  | 50  | 50  | 50  |
| Prospective short-circuit current with gG DIN fuses at 690 VAC (kA rms) |     |     |     | 50  | 50  | 50  | 50  | 50  |
| Associated fuse rating (A)                                              | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 |

#### Short-circuit withstand without protection as per IEC 60947-3

|                                                                             |    |    |    |                   |                   |                   |                   |                   |
|-----------------------------------------------------------------------------|----|----|----|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rated short-time withstand current 0.3s I <sub>cw</sub> at 415 VAC (kA rms) | 12 | 12 | 12 | 15 <sup>(5)</sup> | 15 <sup>(5)</sup> | 15 <sup>(5)</sup> | 17 <sup>(5)</sup> | 17 <sup>(5)</sup> |
| Rated short-time withstand current 1s I <sub>cw</sub> at 415 VAC (kA rms)   | 7  | 7  | 7  | 8 <sup>(5)</sup>  | 8 <sup>(5)</sup>  | 8 <sup>(5)</sup>  | 11 <sup>(5)</sup> | 10 <sup>(5)</sup> |
| Rated peak withstand current at 415 VAC (kA peak)                           | 20 | 20 | 20 | 30                | 30                | 30                | 45                | 45                |

#### Short-circuit withstand without protection as per IEC 60947-6-1

|                                                                              |    |    |    |    |    |    |    |      |
|------------------------------------------------------------------------------|----|----|----|----|----|----|----|------|
| Rated short-time withstand current 30 ms I <sub>cw</sub> at 415 VAC (kA rms) | 10 | 10 | 10 | 10 | 10 | 10 |    |      |
| Rated short-time withstand current 60 ms I <sub>cw</sub> at 415 VAC (kA rms) |    |    |    |    |    |    | 10 | 12.6 |

#### Connection

|                                                                      |      |      |      |       |       |       |            |            |
|----------------------------------------------------------------------|------|------|------|-------|-------|-------|------------|------------|
| Minimum Cu cable cross-section as per IEC 60947-1 (mm <sup>2</sup> ) | 35   | 35   | 50   | 95    | 120   | 185   | 2 x 95     | 2 x 120    |
| Recommended Cu busbar cross-section (mm <sup>2</sup> )               |      |      |      |       |       |       | 2 x 32 x 5 | 2 x 40 x 5 |
| Maximum Cu cable cross-section (mm <sup>2</sup> )                    | 50   | 95   | 120  | 150   | 240   | 240   | 2 x 185    | 2 x 300    |
| Maximum Cu busbar width (mm)                                         | 25   | 25   | 25   | 32    | 32    | 32    | 50         | 50         |
| Min./max. tightening torque (Nm)                                     | 9/13 | 9/13 | 9/13 | 20/26 | 20/26 | 20/26 | 20/26      | 20/26      |

#### Mechanical specifications

|                                         |        |        |        |       |       |       |       |       |
|-----------------------------------------|--------|--------|--------|-------|-------|-------|-------|-------|
| Durability (number of operating cycles) | 10,000 | 10,000 | 10,000 | 8,000 | 8,000 | 8,000 | 5,000 | 5,000 |
| Weight 3 P (kg)                         | 2.9    | 2.9    | 2.9    | 3.8   | 3.9   | 3.9   | 8.6   | 9.1   |
| Weight 4 P (kg)                         | 4.1    | 4.1    | 4.1    | 4.6   | 4.9   | 4.9   | 10.4  | 11.1  |

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

(2) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".

4-pole device with 2 poles in series by polarity.

(3) Interphase barriers must be installed on the products.

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

(5) Values given at 690 VAC.

## 800 to 3200 A

| Thermal current I <sup>th</sup> at 40°C                                        | 800 A                | 1000 A             | 1250 A             | 1600 A             | 2000 A             | 2500 A             | 3200 A             |
|--------------------------------------------------------------------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Frame size                                                                     | B6                   | B6                 | B6                 | B7                 | B8                 | B8                 | B8                 |
| Rated insulation voltage U <sub>i</sub> (V)                                    | 1000                 | 1000               | 1000               | 1000               | 1000               | 1000               | 1000               |
| Rated impulse withstand voltage U <sub>imp</sub> (kV)                          | 12                   | 12                 | 12                 | 12                 | 12                 | 12                 | 12                 |
| Rated operational currents I <sub>e</sub> (A) according to IEC 60947-6-1       |                      |                    |                    |                    |                    |                    |                    |
| 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> |
| 415 VAC                                                                        | AC-31 B              | 800                | 1000               | 1250               | 1600               | 2000               | 2500               |
| 415 VAC                                                                        | AC-32 B              | 800                | 1000               | 1250               | 1250               | 2000               | 2000               |
| 415 VAC                                                                        | AC-33 B              | 800                | 1000               | 1000               | 1000               | 1250               | 1250               |
| Rated operational currents I <sub>e</sub> (A) according to IEC 60947-3         |                      |                    |                    |                    |                    |                    |                    |
| 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> |
| 415 VAC                                                                        | AC-21 A / AC-21 B    | 800/800            | 1000/1000          | 1250/1250          | 1600/1600          | -/2000             | -/2500             |
| 415 VAC                                                                        | AC-22 A / AC-22 B    | 800/800            | 1000/1000          | 1250/1250          | 1600/1600          | -/2000             | -/2500             |
| 415 VAC                                                                        | AC-23 A / AC-23 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | -/1600             | -/1600             |
| 500 VAC                                                                        | AC-21 A / AC-21 B    | 800/800            | 1000/1000          | 1250/1250          | 1600/1600          | -/2000             | -/2000             |
| 500 VAC                                                                        | AC-22 A / AC-22 B    | 630/630            | 800/800            | 1000/1000          | 1600/1600          |                    |                    |
| 500 VAC                                                                        | AC-23 A / AC-23 B    | 630/630            | 800/800            | 800/800            | 1000/1000          |                    |                    |
| 690 VAC <sup>(3)</sup>                                                         | AC-21 A / AC-21 B    | 800/800            | 1000/1000          | 1250/1250          | 1600/1600          | -/2000             | -/2000             |
| 690 VAC <sup>(3)</sup>                                                         | AC-22 A / AC-22 B    | 630/630            | 800/800            | 1000/1000          | 1000/1000          |                    |                    |
| 690 VAC <sup>(3)</sup>                                                         | AC-23 A / AC-23 B    | 630/630            | 630/630            | 800/800            | 800/800            |                    |                    |
| 220 VDC                                                                        | DC-21 A / DC-21 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          |                    |                    |
| 220 VDC                                                                        | DC-22 A / DC-22 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          |                    |                    |
| 220 VDC                                                                        | DC-23 A / DC-23 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          |                    |                    |
| 440 VDC <sup>(2)</sup>                                                         | DC-21 A / DC-21 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          |                    |                    |
| 440 VDC <sup>(2)</sup>                                                         | DC-22 A / DC-22 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          |                    |                    |
| 440 VDC <sup>(2)</sup>                                                         | DC-23 A / DC-23 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          |                    |                    |
| Operation power in AC-23 (kW) <sup>(4)</sup>                                   |                      |                    |                    |                    |                    |                    |                    |
| At 415 VAC without AC pre-break                                                |                      | 375/375            | 450/450            | 560/560            | 560/560            | -/710              | -/710              |
| At 690 VAC without AC pre-break                                                |                      | 475/475            | 475/475            | 620/620            | 620/620            |                    |                    |
| Reactive power (kvar) <sup>(4)</sup>                                           |                      |                    |                    |                    |                    |                    |                    |
| At 415 VAC (kvar)                                                              |                      | 400/400            | 500/500            | 650/650            | 650/650            | -/850              | -/850              |
| Fuse protected short-circuit withstand as per IEC 60947-3 (kA rms prospective) |                      |                    |                    |                    |                    |                    |                    |
| Prospective short-circuit current with gG DIN fuses at 415 VAC (kA rms)        |                      | 50                 | 50                 | 100                | 100                |                    |                    |
| Prospective short-circuit current with gG DIN fuses at 690 VAC (kA rms)        |                      | 50                 | 50                 | 50                 |                    |                    |                    |
| Associated fuse rating (A)                                                     |                      | 800                | 1000               | 1250               | 2x800              |                    |                    |
| Short-circuit withstand without protection as per IEC 60947-3                  |                      |                    |                    |                    |                    |                    |                    |
| Rated short-time withstand current 0.3s I <sub>cw</sub> at 415 VAC (kA rms)    |                      | 64                 | 64                 | 64                 | 78                 | 78                 | 78                 |
| Rated short-time withstand current 1s I <sub>cw</sub> at 415 VAC (kA rms)      |                      | 35                 | 35                 | 35                 | 50                 | 50                 | 50                 |
| Rated peak withstand current at 415 VAC (kA peak)                              |                      | 55                 | 55                 | 80                 | 110                | 120                | 120                |
| Short-circuit withstand without protection as per IEC 60947-6-1                |                      |                    |                    |                    |                    |                    |                    |
| Rated short-time withstand current 30 ms I <sub>cw</sub> at 415 VAC (kA rms)   |                      |                    |                    |                    |                    |                    |                    |
| Rated short-time withstand current 60 ms I <sub>cw</sub> at 415 VAC (kA rms)   |                      | 20                 | 20                 | 25                 | 32                 | 50                 | 50                 |
| Connection                                                                     |                      |                    |                    |                    |                    |                    |                    |
| Minimum Cu cable cross-section as per IEC 60947-1 (mm <sup>2</sup> )           |                      | 2 x 185            |                    |                    |                    |                    |                    |
| Recommended Cu busbar cross-section (mm <sup>2</sup> )                         |                      | 2 x 50 x 5         | 2 x 63 x 5         | 2 x 60 x 7         | 2 x 100 x 5        | 3 x 100 x 5        | 2 x 100 x 10       |
| Maximum Cu cable cross-section (mm <sup>2</sup> )                              |                      | 4 x 185            | 4 x 185            | 4 x 185            | 6 x 185            |                    |                    |
| Maximum Cu busbar width (mm)                                                   |                      | 63                 | 63                 | 63                 | 100                | 100                | 100                |
| Min./max. tightening torque (Nm)                                               |                      | 20/26              | 20/26              | 20/26              | 40/45              | 40/45              | 40/45              |
| Mechanical specifications                                                      |                      |                    |                    |                    |                    |                    |                    |
| Durability (number of operating cycles)                                        |                      | 4,000              | 4,000              | 4,000              | 3,000              | 3,000              | 3,000              |
| Weight 3 P (kg)                                                                |                      | 20.5               | 21.0               | 21.6               | 25.7               | 42.0               | 52.3               |
| Weight 4 P (kg)                                                                |                      | 24.8               | 25.6               | 26.2               | 32.0               | 52.9               | 66.6               |

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

(2) 3-pole device with 2 pole in series for the "+" and 1 pole for the "-".

4-pole device with 2 poles in series by polarity.

(3) Interphase barriers must be installed on the products.

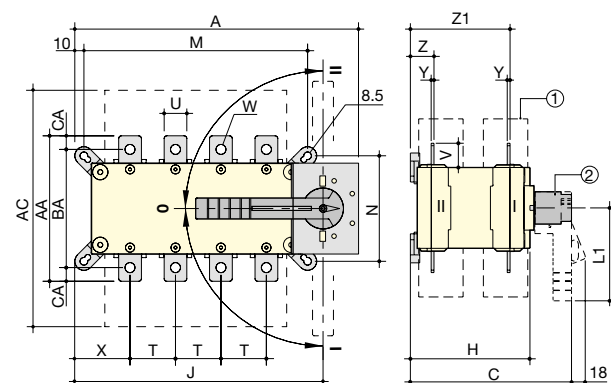
(4) The power value is given for information only; the current values vary from one manufacturer to another.

(5) Values given at 690 VAC.

## Dimensions

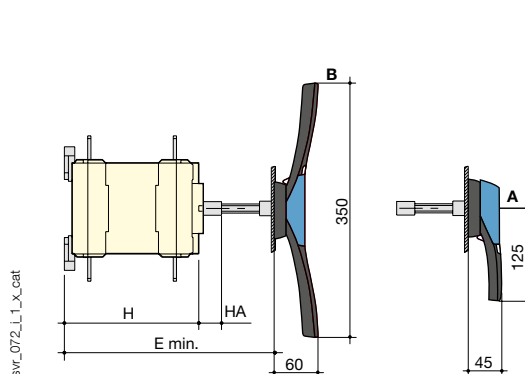
### SIRCOVER 125 to 1600 A / B3 to B7

Direct front operation



A. S2 type handle for external operation: 125 to 630 A  
B. S4 type handle for external operation: 800 to 1600 A

External front operation

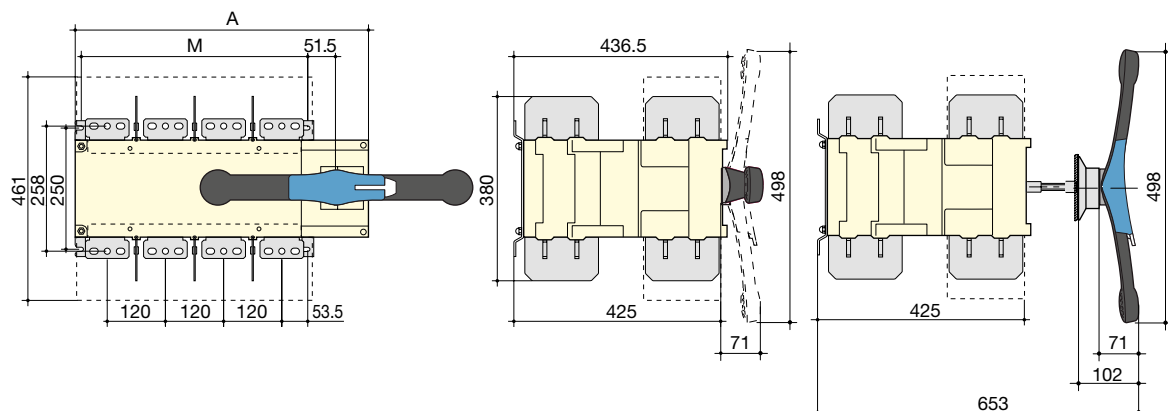


1. Terminal shrouds  
2. Direct operation handle:  
- 125 to 630 A: L1 = 140 mm,  
- 800 to 1600 A: L1 = 210 mm.

| Rating (A)/<br>Frame size | Overall dimensions |          |     |             | Terminal<br>shrouds | Switch body |    |       |          | Switch mounting |          |          | Connection |    |      |        |      |          |          |      |       |     |     |      |
|---------------------------|--------------------|----------|-----|-------------|---------------------|-------------|----|-------|----------|-----------------|----------|----------|------------|----|------|--------|------|----------|----------|------|-------|-----|-----|------|
|                           | A<br>3p.           | A<br>4p. | C   | E<br>min    |                     | AC          | H  | HA    | J<br>3p. | J<br>4p.        | M<br>3p. | M<br>4p. | N          | T  | U    | V      | W    | X<br>3p. | X<br>4p. | Y    | Z     | Z1  | AA  | BA   |
| 125 / B3                  | 221                | 251      | 218 | 208 ... 436 | 235                 | 148         | 25 | 182   | 212      | 156             | 186      | 101      | 36         | 20 | 25   | 8.5    | 56   | 50       | 3.5      | 28   | 124   | 135 | 115 | 10   |
| 160 / B3                  | 221                | 251      | 218 | 208 ... 436 | 235                 | 148         | 25 | 182   | 212      | 156             | 186      | 101      | 36         | 20 | 25   | 8.5    | 56   | 50       | 3.5      | 28   | 124   | 135 | 115 | 10   |
| 200 / B3                  | 221                | 251      | 218 | 208 ... 436 | 235                 | 148         | 25 | 182   | 212      | 156             | 186      | 101      | 36         | 20 | 25   | 8.5    | 56   | 50       | 3.5      | 28   | 124   | 135 | 115 | 10   |
| 250 / B4                  | 262                | 312      | 218 | 208 ... 436 | 280                 | 148         | 25 | 223   | 273      | 196             | 246      | 116      | 50         | 25 | 30   | 11     | 61   | 61       | 3.5      | 30   | 124   | 160 | 130 | 15   |
| 315 / B4                  | 262                | 312      | 218 | 208 ... 436 | 280                 | 148         | 25 | 223   | 273      | 196             | 246      | 116      | 50         | 35 | 35   | 11     | 61   | 61       | 3.5      | 30   | 124   | 170 | 140 | 15   |
| 400 / B4                  | 262                | 312      | 218 | 208 ... 436 | 280                 | 148         | 25 | 223   | 273      | 196             | 246      | 116      | 50         | 35 | 35   | 11     | 61   | 61       | 3.5      | 30   | 124   | 170 | 140 | 15   |
| 500 / B5                  | 319                | 379      | 295 | 285 ... 513 | 401                 | 225         | 25 | 272   | 332      | 246             | 306      | 176      | 65         | 32 | 37   | 13     | 70.5 | 65.5     | 5        | 43   | 180   | 235 | 205 | 15   |
| 630 / B5                  | 319                | 379      | 295 | 285 ... 513 | 400                 | 225         | 25 | 272   | 332      | 246             | 306      | 176      | 65         | 45 | 50   | 13     | 70.5 | 65.5     | 5        | 43   | 180   | 260 | 220 | 20   |
| 800 / B6                  | 386                | 466      | 375 | 425 ... 577 | 459                 | 298         | 29 | 306.5 | 386.5    | 255             | 336      | 250      | 80         | 50 | 60.5 | 15     | 48   | 48       | 7        | 66.5 | 253.5 | 321 |     | 26.5 |
| 1000 / B6                 | 386                | 466      | 375 | 425 ... 577 | 459                 | 298         | 29 | 306.5 | 386.5    | 255             | 336      | 250      | 80         | 50 | 60.5 | 15     | 48   | 48       | 7        | 66.5 | 253.5 | 321 |     | 26.5 |
| 1250 / B6                 | 386                | 466      | 375 | 425 ... 577 | 459                 | 298         | 29 | 306.5 | 386.5    | 255             | 336      | 250      | 80         | 60 | 65   | 16x11  | 48   | 48       | 7        | 66.5 | 255.5 | 330 |     | 29.5 |
| 1600/B7                   | 478                | 598      | 375 | 425 ... 577 | 461                 | 298         | 29 | 388.5 | 518.5    | 347             | 467      | 250      | 120        | 90 | 43.5 | 12.5x5 | 54   | 54       | 8        | 66.5 | 255.5 | 288 |     | 15   |

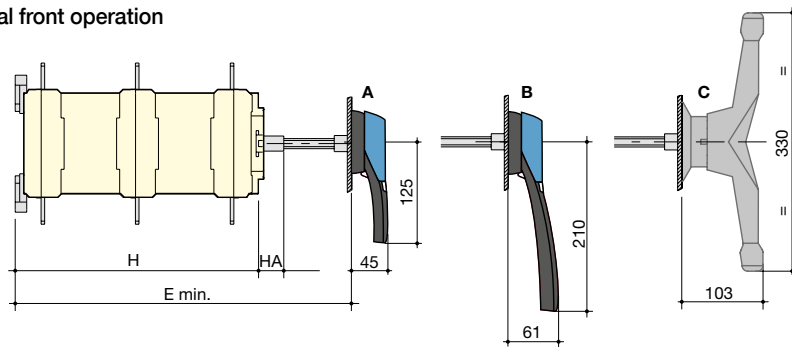
### SIRCOVER 2000 to 3200 A / B8

Direct front operation



| Rating (A) / Frame size | Overall dimensions |          | Switch mounting |          |
|-------------------------|--------------------|----------|-----------------|----------|
|                         | A<br>3p.           | A<br>4p. | M<br>3p.        | M<br>4p. |
| 2000 ... 3200 / B8      | 478                | 598      | 347             | 467      |

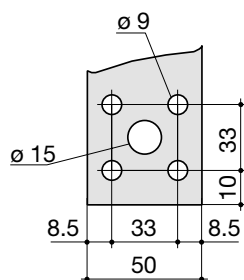
## svr\_070\_i\_1\_x\_cat



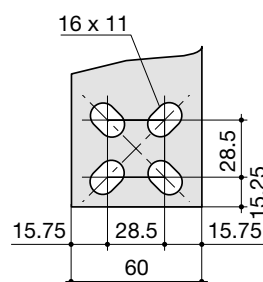
1. Terminal shrouds
2. Direct operation handle:
  - 125 to 200 A: L1 = 140 mm,
  - 250 to 630 A: L1 = 210 mm,
  - 800 to 1600 A: L1 = diameter 330 mm.

| Rating<br>(A) /<br>Frame<br>size | Overall dimensions |            |     |          | Terminal<br>shrouds | Switch body |    |       |            | Switch mounting |            |            | Connection |    |      |        |      |            |            |      |       |       |     |     |       |    |  |  |
|----------------------------------|--------------------|------------|-----|----------|---------------------|-------------|----|-------|------------|-----------------|------------|------------|------------|----|------|--------|------|------------|------------|------|-------|-------|-----|-----|-------|----|--|--|
|                                  |                    |            |     |          |                     |             |    |       |            |                 |            |            |            |    |      |        |      |            |            |      |       |       |     |     |       |    |  |  |
|                                  | A<br>3+6p.         | A<br>4+8p. | C   | E<br>min |                     | AC          | H  | HA    | J<br>3+6p. | J<br>4+8p.      | M<br>3+6p. | M<br>4+8p. | N          | T  | U    | V      | W    | X<br>3+6p. | X<br>4+8p. | Y    | Z     | Z1    | Z2  | AA  | BA    | AC |  |  |
| 125 / B3                         | 221                | 251        | 313 | 320      | 235                 | 243         | 25 | 182   | 212        | 156             | 186        | 101        | 36         | 20 | 25   | 8.5    | 56   | 50         | 3.5        | 28   | 124   | 219   | 135 | 115 | 10    |    |  |  |
| 160 / B3                         | 221                | 251        | 313 | 320      | 235                 | 243         | 25 | 182   | 212        | 156             | 186        | 101        | 36         | 20 | 25   | 8.5    | 56   | 50         | 3.5        | 28   | 124   | 219   | 135 | 115 | 10    |    |  |  |
| 200 / B3                         | 221                | 251        | 313 | 320      | 235                 | 243         | 25 | 182   | 212        | 156             | 186        | 101        | 36         | 20 | 25   | 8.5    | 56   | 50         | 3.5        | 28   | 124   | 219   | 135 | 115 | 10    |    |  |  |
| 250 / B4                         | 262                | 312        | 313 | 298      | 280                 | 243         | 25 | 223   | 273        | 196             | 246        | 116        | 50         | 25 | 30   | 11     | 61   | 61         | 3.5        | 30   | 124   | 219   | 160 | 130 | 10    |    |  |  |
| 400 / B4                         | 262                | 312        | 313 | 298      | 280                 | 243         | 25 | 223   | 273        | 196             | 246        | 116        | 50         | 35 | 35   | 11     | 61   | 61         | 3.5        | 30   | 124   | 219   | 170 | 140 | 15    |    |  |  |
| 630 / B5                         | 319                | 379        | 432 | 417      | 400                 | 362         | 25 | 272   | 332        | 246             | 306        | 176        | 65         | 45 | 50   | 13     | 70.5 | 65.5       | 5          | 43   | 180   | 317   | 260 | 220 | 20    |    |  |  |
| 800 / B6                         | 386                | 466        | 560 | 550      | 459                 | 479         | 29 | 306.5 | 386.5      | 255             | 335        | 250        | 80         | 50 | 60.5 | 15     | 48   | 48         | 7          | 66.5 | 253.5 | 439.5 | 321 |     | 26.5  |    |  |  |
| 1250 / B6                        | 386                | 466        | 560 | 550      | 459                 | 479         | 29 | 306.5 | 386.5      | 255             | 335        | 250        | 80         | 60 | 65   | 16x11  | 48   | 48         | 7          | 66.5 | 253.5 | 439.5 | 320 |     | 29.25 |    |  |  |
| 1600/B7                          | 478                | 598        | 560 | 550      | 461                 | 479         | 29 | 388.5 | 518.5      | 347             | 467        | 250        | 120        | 90 | 43.5 | 12.5x5 | 54   | 54         | 8          | 66.5 | 253.5 | 439.5 | 288 |     | 15    |    |  |  |

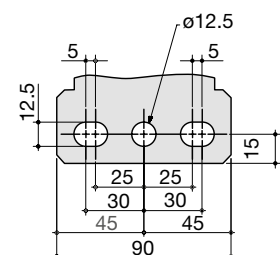
## SIRCOVER and SIRCOVER Bypass 800 A / B6



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svr 078 b 1 x cat

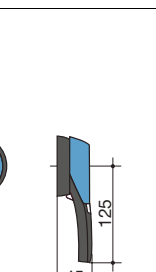
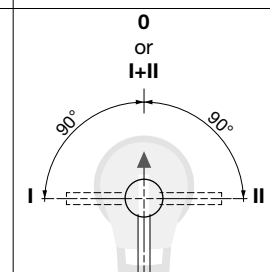
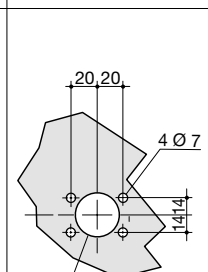
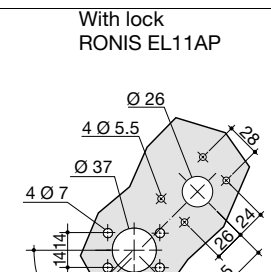
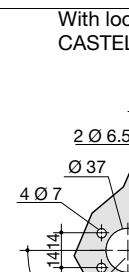


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## Manual Transfer Switching Equipment from 125 to 3200 A

## Dimensions for external handles

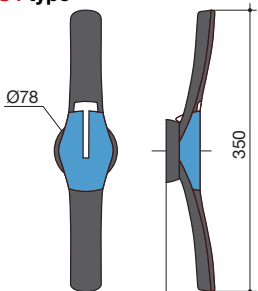
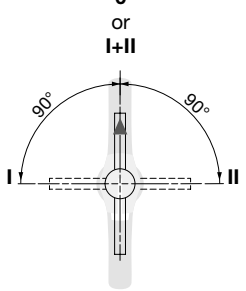
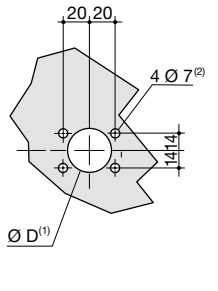
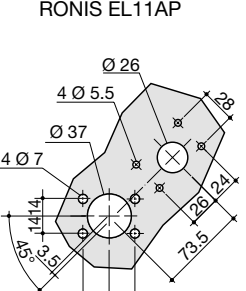
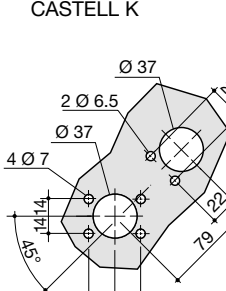
SIRCOVER 125 to 630 A / B3 to B5

| Handle type                                                                                             | <b>Front operation</b><br><b>Direction of operation</b>                                                    |                                                                                   | <b>Door drilling</b><br>With lock<br>RONIS EL11AP                                  | With lock<br>CASTELL K                                                              |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>S2 type</b><br><br> | <p>0<br/>or<br/>I+II</p>  |  |  |  |

(1) Ø31 to Ø37: rear screw mounting,  
Ø37: front clip mounting.

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SIRCOVER 800 to 1600 A / B6 to B7

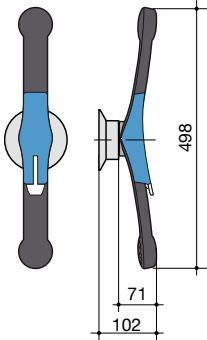
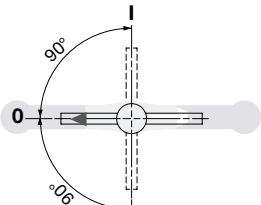
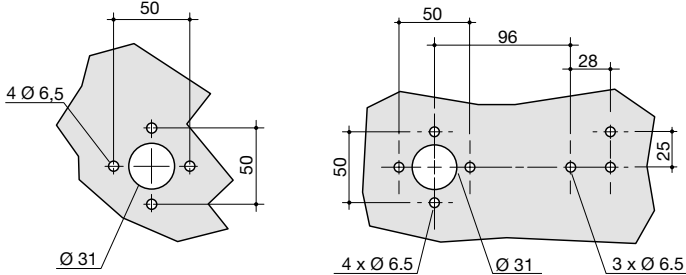
|                                                                                     | Front operation                                                                     |                                                                                     | Door drilling                                                                        |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Handle type                                                                         | Direction of operation                                                              |                                                                                     |                                                                                      |                                                                                       |
| S4 type                                                                             | 0<br>or<br>I-II                                                                     |                                                                                     | With lock<br>RONIS EL11AP                                                            | With lock<br>CASTELL K                                                                |
|  |  |  |  |  |

(1) Ø31 to Ø37: rear screw mounting,  
Ø37: front clip mounting.

(2) Ø6 to Ø7: clip mounting

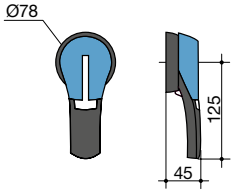
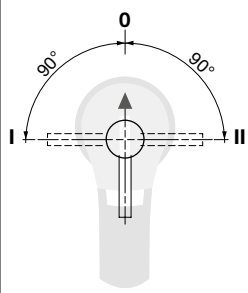
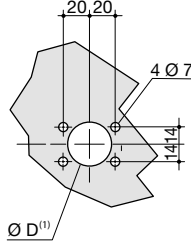
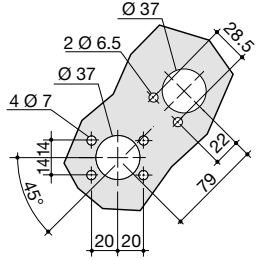
oign\_031\_a\_1\_gb\_cat

## SIRCOVER 2000 to 3200 A / B8

| Handle type                                                                                                             | Front operation<br>Direction of operation                                           | Door drilling                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>S5 type</b><br>with V Escutcheon  |  | <p>With lock<br/>CASTELL K</p>  |

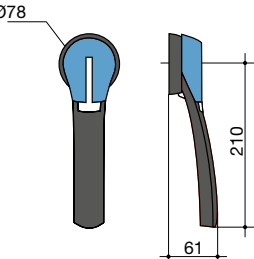
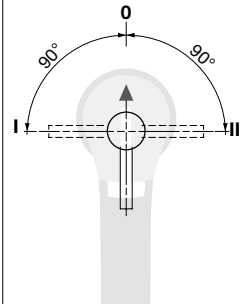
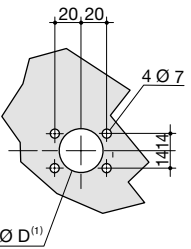
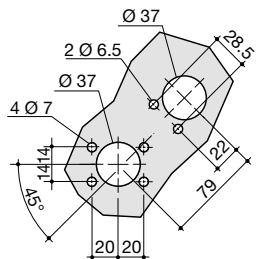
assign\_023\_a\_1\_gb\_cat

SIRCOVER Bypass 125 to 200 A / B3

| Handle type                                                                       | Front operation<br>Direction of operation                                         | Door drilling                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>S2 type</b>                                                                    |                                                                                   | With lock<br>RONIS EL11AP                                                         | With lock<br>CASTELL K                                                              |
|  |  |  |  |

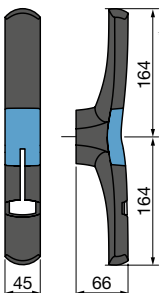
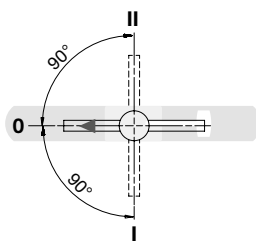
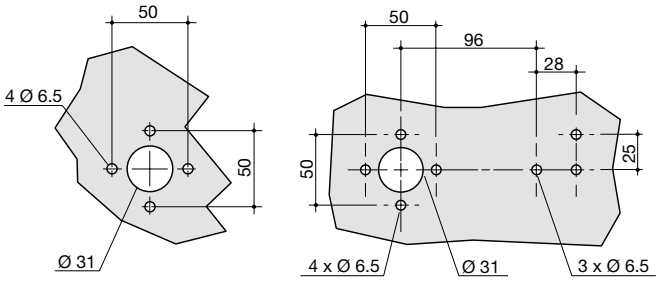
(1) Ø31 to Ø37: rear screw mounting,  
Ø37: front clip mounting.

SIRCOVER Bypass 250 to 630 A / B4 to B5

| Handle type                                                                         | Front operation<br>Direction of operation                                           | Door drilling                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>S3 type</b>                                                                      |                                                                                     | With lock<br>RONIS EL11AP                                                           | With lock<br>CASTELL K                                                                |
|  |  |  |  |

(1) Ø31 to Ø37: rear screw mounting,  
Ø37: front clip mounting.

SIRCOVER Bypass 800 to 1600 A / B6 to B7

| Handle type                                                                         | Front operation<br>Direction of operation                                           | Door drilling                                                                        |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|
| <b>J4 type</b>                                                                      |                                                                                     | With lock<br>CASTELL K                                                               |  |
|  |  |  |  |