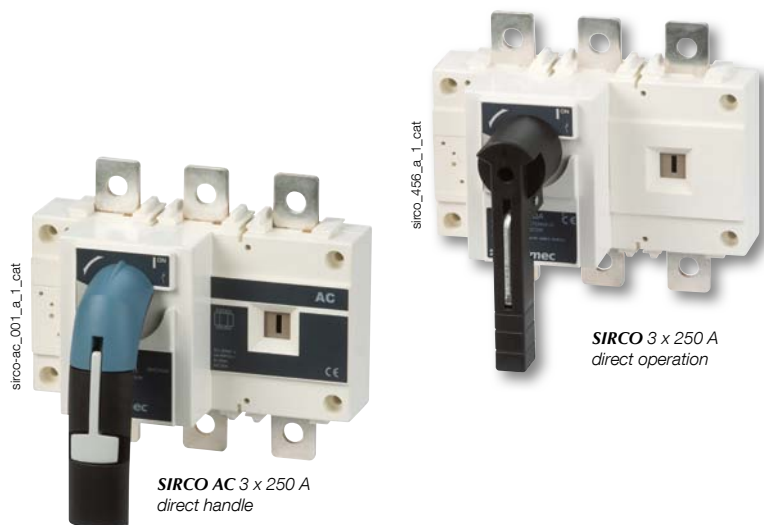




# SIRCO

Load break switches for power distribution  
from 125 to 5000 A

Load break  
switches



## Function

**SIRCO** and **SIRCO AC** are manually or remotely operated multipolar load break switches. They make and break under load conditions and provide safe isolation. SIRCO are designed for 415 VAC and DC low voltage electrical circuits. SIRCO AC are designed for heavy duty applications up to 690 VAC - AC 23.

## General characteristics

- Double positive break indication given through a position indication window, located directly on the product, and by the operating handle.
- Severe load duty categories (AC-22 and AC-23).
- High resistance to damp heat (supplied "tropicalised").

## Advantages

### Reliability and performance

The double breaking per pole, achieved through its sliding bar contact system, is a proven design that offers very high durability and short-circuit withstand. Improved breaking performance with quick opening and rapid closure.

### Safety of property and personnel

The position indicator is located directly on the sliding bar contact mechanism, ensuring it can be seen in all circumstances.

The use of glass fibre reinforced polyester gives the SIRCO and SIRCO AC both high mechanical and thermal resistance.

### Simplicity

The standardisation of the SIRCO and SIRCO AC range and its wide choice of common accessories enable:

- Simple mounting.
- Reduced stock management and storage costs.

### Easy to install

The outdoors ranges are easy to install thanks to:

- A good centre-to-centre distance (up to 120 mm).
- Connection up to 6 x 185 mm<sup>2</sup>.
- Connection accessories which facilitate both flat and edgewise connections.

## The solution for

- > Main switchboard
- > Distribution panel
- > Emergency breaking
- > Network coupling
- > Local safety breaking



## Strong points

- > Reliability and performance
- > Safety of property and personnel
- > Simplicity
- > Easy to install

## Compliance with standards

- > IEC 60947-3



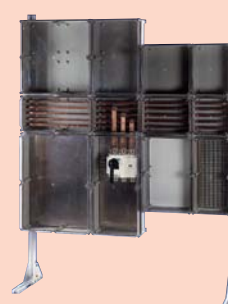
## Approvals and certifications<sup>(1)</sup>



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

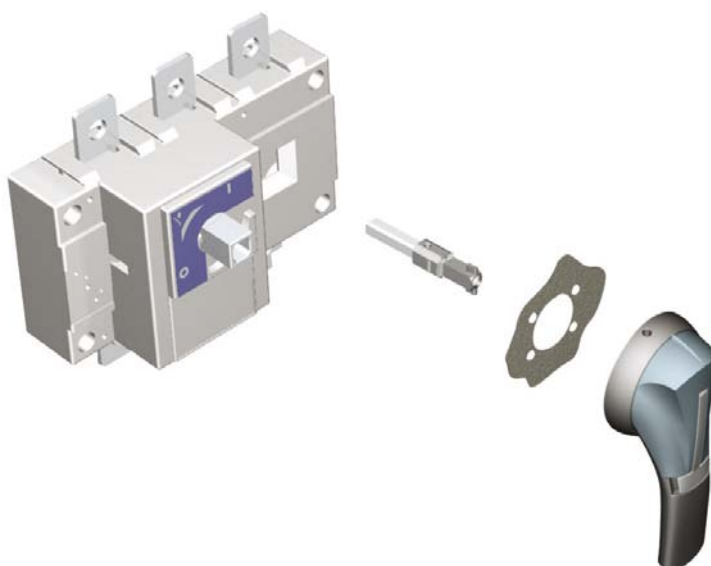
## Enclosures

- > The SIRCO and SIRCO AC range can be easily fitted in our enclosures and cabinets designed for electrical distribution.



## What you need to know

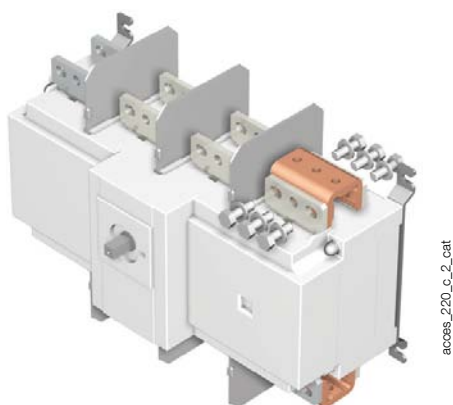
- In front **direct** or **external** operation, SIRCO is available in 3 and 4-pole versions from 125 to 5000 A.
- It can be ordered in 6 or 8-pole versions from 125 to 1600 A.
- SIRCO is available in a polyester or sheet metal enclosure from 125 to 1250 A.



sirco\_372\_b\_1\_cat

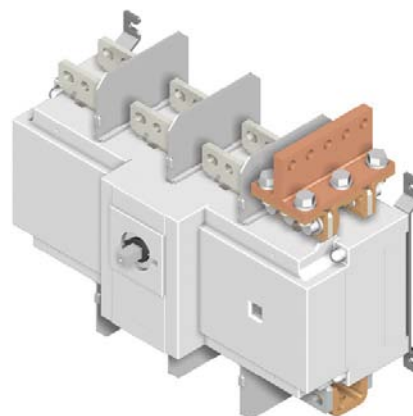
For ratings 2000, 2500 and 3200A, a copper **bar connection kit** enables the connection between the two power terminals of one pole.

**Flat connection**  
top or bottom



access\_220\_c\_2\_cat

**Edgewise connection**  
top or bottom



access\_223\_b\_2\_cat

## SIRCO - References

### Standard applications - Front operation - 3 & 4-pole

| Rating (A) /<br>Frame size | No. of poles | Switch body <sup>(1)</sup> | Direct handle                                                                  | External handle                                                                                                         | Shaft for external<br>handle                                                                          | Auxiliary contact                                                                                      | Terminal shrouds                       | Terminal screens                       |
|----------------------------|--------------|----------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|
| 125 A / B3                 | 3 P          | 2600 <b>3014</b>           | B1 type<br>Black<br>2699 <b>5042</b> <sup>(2)</sup><br>Red<br>2699 <b>5043</b> |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2694 <b>3014</b> <sup>(3)</sup> | 3 P<br>2698 <b>3012</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4014</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4014</b> <sup>(3)</sup> | 4 P<br>2698 <b>4012</b> <sup>(3)</sup> |
| 160 A / B3                 | 3 P          | 2600 <b>3017</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2694 <b>3021</b> <sup>(3)</sup> | 3 P<br>2698 <b>3020</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4017</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4021</b> <sup>(3)</sup> | 4 P<br>2698 <b>4020</b> <sup>(3)</sup> |
| 200 A / B4                 | 3 P          | 2600 <b>3021</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2694 <b>3021</b> <sup>(3)</sup> | 3 P<br>2698 <b>3020</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4021</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4021</b> <sup>(3)</sup> | 4 P<br>2698 <b>4020</b> <sup>(3)</sup> |
| 250 A / B4                 | 3 P          | 2600 <b>3026</b>           |                                                                                | S2 type Black IP55<br>1421 <b>2111</b> <sup>(2)</sup><br>Black IP65<br>1423 <b>2111</b><br>Red IP65<br>1424 <b>2111</b> | 200 mm<br>1400 <b>1020</b><br>320 mm<br>1400 <b>1032</b> <sup>(2)</sup><br>500 mm<br>1400 <b>1050</b> |                                                                                                        | 3 P<br>2694 <b>3021</b> <sup>(3)</sup> | 3 P<br>2698 <b>3020</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4026</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4021</b> <sup>(3)</sup> | 4 P<br>2698 <b>4020</b> <sup>(3)</sup> |
| 315 A / B5                 | 3 P          | 2600 <b>3032</b>           | B2 type<br>Black<br>2699 <b>5052</b> <sup>(2)</sup><br>Red<br>2699 <b>5053</b> |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2694 <b>3051</b> <sup>(3)</sup> | 3 P<br>2698 <b>3050</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4032</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4051</b> <sup>(3)</sup> | 4 P<br>2698 <b>4050</b> <sup>(3)</sup> |
| 400 A / B5                 | 3 P          | 2600 <b>3041</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2694 <b>3051</b> <sup>(3)</sup> | 3 P<br>2698 <b>3050</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4041</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4051</b> <sup>(3)</sup> | 4 P<br>2698 <b>4050</b> <sup>(3)</sup> |
| 500 A / B5                 | 3 P          | 2600 <b>3051</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2694 <b>3051</b> <sup>(3)</sup> | 3 P<br>2698 <b>3050</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4051</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4051</b> <sup>(3)</sup> | 4 P<br>2698 <b>4050</b> <sup>(3)</sup> |
| 630 A / B5                 | 3 P          | 2600 <b>3064</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2694 <b>3051</b> <sup>(3)</sup> | 3 P<br>2698 <b>3050</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4064</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2694 <b>4051</b> <sup>(3)</sup> | 4 P<br>2698 <b>4050</b> <sup>(3)</sup> |
| 800 A / B6                 | 3 P          | 2600 <b>3081</b>           |                                                                                |                                                                                                                         |                                                                                                       | 1 <sup>st</sup> NO/NC contact<br>2699 <b>0031</b><br>2 <sup>nd</sup> NO/NC contact<br>2699 <b>0032</b> | 3 P<br>2698 <b>3080</b> <sup>(3)</sup> | 3 P<br>2698 <b>3080</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4081</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4080</b> <sup>(3)</sup> | 4 P<br>2698 <b>4080</b> <sup>(3)</sup> |
| 1000 A /<br>B6             | 3 P          | 2600 <b>3099</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2698 <b>3080</b> <sup>(3)</sup> | 3 P<br>2698 <b>3080</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4099</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4080</b> <sup>(3)</sup> | 4 P<br>2698 <b>4080</b> <sup>(3)</sup> |
| CD 1250 A /<br>B6          | 3 P          | 2600 <b>3119</b>           |                                                                                | Type S4<br>Black IP65<br>1443 <b>3111</b> <sup>(2)</sup><br>Red IP65<br>1444 <b>3111</b>                                | 200 mm<br>1401 <b>1520</b><br>320 mm<br>1401 <b>1532</b> <sup>(2)</sup><br>400 mm<br>1401 <b>1540</b> |                                                                                                        | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4119</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> |
| 1250 A /<br>B7             | 3 P          | 2600 <b>3121</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4121</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> |
| 1600 A /<br>B7             | 3 P          | 2600 <b>3161</b>           | C2 type<br>Black<br>2799 <b>7012</b> <sup>(2)</sup><br>Red<br>2799 <b>7013</b> |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4161</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> |
| 1800 A /<br>B7             | 3 P          | 2600 <b>3181</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4181</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> |
| 2000 A /<br>B8             | 3 P          | 2600 <b>3200</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> | 3 P<br>2698 <b>3120</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4200</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> | 4 P<br>2698 <b>4120</b> <sup>(3)</sup> |
| 2500 A /<br>B8             | 3 P          | 2600 <b>3250</b>           |                                                                                | V2 type<br>Black IP65<br>2799 <b>7136</b> <sup>(2)</sup><br>Red IP65<br>2799 <b>7134</b>                                | 200 mm<br>2799 <b>3015</b><br>320 mm<br>2799 <b>3018</b> <sup>(2)</sup><br>450 mm<br>2799 <b>3019</b> |                                                                                                        | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4250</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> |
| 3200 A /<br>B8             | 3 P          | 2600 <b>3320</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4320</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> |
| 4000 A /<br>B9             | 3 P          | 2600 <b>3401</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4401</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> |
| 5000 A /<br>B9             | 3 P          | 2600 <b>3500</b>           | V0 type<br>Black<br>2799 <b>7072</b> <sup>(2)</sup>                            | V0 type<br>Black IP65<br>2799 <b>7155</b> <sup>(2)</sup>                                                                |                                                                                                       | 1 <sup>st</sup> /2 <sup>nd</sup> NO/NC<br>contact<br>included                                          | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> | 3 P<br>2698 <b>3200</b> <sup>(3)</sup> |
|                            | 4 P          | 2600 <b>4500</b>           |                                                                                |                                                                                                                         |                                                                                                       |                                                                                                        | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> | 4 P<br>2698 <b>4200</b> <sup>(3)</sup> |

(1) Device available enclosed (see "Enclosed load break switches" page 726).

(2) Standard.

(3) Top or bottom.

## SIRCO AC - References

### Heavy duty applications - Front operation 3 & 4 pole

| Rating (A) /<br>Frame size | No. of poles  | Switch body      | Direct handle                                                                             | External handle                                                                                                                     | Shaft for external<br>handle                                                                          | Auxiliary contact                                                                                      | Terminal shrouds                                                                       | Terminal screens                                                                |                  |
|----------------------------|---------------|------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------|
| 200 A /<br>B4              | 3 P           | 26AC <b>3020</b> | J1 type<br>Black<br>1112 <b>1111</b> <sup>(1)</sup><br>J1 type<br>Red<br>1113 <b>1111</b> | S2 type<br>Black<br>IP55<br>1421 <b>2111</b> <sup>(1)</sup><br>Black<br>IP65<br>1423 <b>2111</b><br>Red<br>IP65<br>1424 <b>2111</b> | 200 mm<br>1400 <b>1020</b><br>320 mm<br>1400 <b>1032</b> <sup>(1)</sup><br>500 mm<br>1400 <b>1050</b> |                                                                                                        | 3P<br>2694 <b>3021</b> <sup>(2)(3)</sup><br>4 P<br>2694 <b>4021</b> <sup>(2)(3)</sup>  | 3P<br>2698 <b>3020</b> <sup>(3)</sup><br>4 P<br>2698 <b>4020</b> <sup>(3)</sup> |                  |
|                            | 250 A /<br>B4 | 3 P              |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 | 26AC <b>3025</b> |
| 4 P                        |               | 26AC <b>4025</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 315 A /<br>B4              | 3 P           | 26AC <b>3031</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 | 4 P              |
|                            | 4 P           | 26AC <b>4031</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 400 A /<br>B5              | 3 P           | 26AC <b>3040</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        | 4 P                                                                                    |                                                                                 |                  |
|                            | 4 P           | 26AC <b>4040</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 500 A /<br>B5              | 3 P           | 26AC <b>3050</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        | 4 P                                                                                    |                                                                                 |                  |
|                            | 4 P           | 26AC <b>4050</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| CD 630 A /<br>B5           | 3 P           | 26AC <b>3063</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        | 4 P                                                                                    |                                                                                 |                  |
|                            | 4 P           | 26AC <b>4063</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 630 A /<br>B6              | 3 P           | 26AC <b>3064</b> | J4 type<br>Black<br>1142 <b>1111</b> <sup>(1)</sup><br>Red<br>1143 <b>1111</b>            | S4 type<br>Black<br>IP65<br>1443 <b>3111</b> <sup>(1)</sup><br>Red<br>IP65<br>1444 <b>3111</b>                                      | 200 mm<br>1401 <b>1520</b><br>320 mm<br>1401 <b>1532</b> <sup>(1)</sup><br>400 mm<br>1401 <b>1540</b> | 1 <sup>st</sup> contact NO/NC<br>2699 <b>0031</b><br>2 <sup>nd</sup> contact NO/NC<br>2699 <b>0032</b> | 3 P<br>2698 <b>3080</b> <sup>(2)(3)</sup><br>4 P<br>2698 <b>4080</b> <sup>(2)(3)</sup> |                                                                                 |                  |
|                            | 800 A /<br>B6 | 3 P              |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        | 26AC <b>3080</b>                                                                | 4 P              |
| 4 P                        |               | 26AC <b>4080</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 1000 A /<br>B6             | 3 P           | 26AC <b>3100</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        | 4 P                                                                             |                  |
|                            | 4 P           | 26AC <b>4100</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| CD 1250 A /<br>B6          | 3 P           | 26AC <b>3120</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        | 4 P                                                                             |                  |
|                            | 4 P           | 26AC <b>4120</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 1250 A /<br>B7             | 3 P           | 26AC <b>3121</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        | 4 P                                                                             |                  |
|                            | 4 P           | 26AC <b>4121</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 1600 A /<br>B7             | 3 P           | 26AC <b>3160</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        | 4 P                                                                             |                  |
|                            | 4 P           | 26AC <b>4160</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 2000 A /<br>B8             | 3 P           | 26AC <b>3200</b> | S5 type<br>Black<br>2799 <b>7042</b> <sup>(1)</sup><br>Red<br>2799 <b>7043</b>            | S5 type<br>Black IP65<br>1453 <b>8111</b> <sup>(1)</sup><br>Red IP65<br>1454 <b>8111</b>                                            | 200 mm<br>2799 <b>3015</b><br>320 mm<br>2799 <b>3018</b> <sup>(1)</sup><br>450 mm<br>2799 <b>3019</b> | 1 <sup>st</sup> / 2 <sup>nd</sup><br>included                                                          | 3 P<br>2698 <b>3200</b> <sup>(2)(3)</sup><br>4 P<br>2698 <b>4200</b> <sup>(2)(3)</sup> |                                                                                 |                  |
|                            | 4 P           | 26AC <b>4200</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |
| 4000 A /<br>B9             | 3 P           | 26AC <b>3400</b> | V0 type<br>Black<br>2799 <b>7072</b> <sup>(1)</sup>                                       | V0 type<br>Black<br>2799 <b>7155</b> <sup>(1)</sup>                                                                                 |                                                                                                       |                                                                                                        | 3/4P<br>1509 <b>4200</b> <sup>(4)</sup>                                                |                                                                                 |                  |
|                            | 4 P           | 26AC <b>4400</b> |                                                                                           |                                                                                                                                     |                                                                                                       |                                                                                                        |                                                                                        |                                                                                 |                  |

(1) Standard.

(2) Mandatory for voltage greater than 415 VAC.

(3) Top or bottom.

(4) Top and bottom.

## SIRCO - References

### Standard applications - Front operation - 6 & 8-pole

| Rating (A) /<br>Frame size | No. of poles | Switch body      | Direct handle                                                                  | External handle                                                                          | Shaft for external<br>handle                                            | Auxiliary contact                                                                                      | Terminal shrouds                                                                       | Terminal screens                                                                 |
|----------------------------|--------------|------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 125 A / B3 <sub>DS</sub>   | 6 P          | 2601 <b>6013</b> | Type B3<br>Black<br>4199 <b>5012</b> <sup>(1)</sup>                            | S2 type Black IP55<br><b>1421 2111</b> <sup>(1)</sup><br>Red IP65<br><b>1424 2111</b>    | 200 mm<br>1400 <b>1020</b><br>320 mm<br>1400 <b>1032</b> <sup>(1)</sup> | 1 <sup>st</sup> NO/NC contact<br>2699 <b>0061</b><br>2 <sup>nd</sup> NO/NC contact<br>2699 <b>0062</b> | 6 P<br>2694 <b>3014</b> <sup>(2)(3)</sup><br>8 P<br>2694 <b>4014</b> <sup>(2)(3)</sup> | 6 P<br>1509 <b>3012</b> <sup>(4)</sup><br>8 P<br>1509 <b>4012</b> <sup>(4)</sup> |
|                            | 8 P          | 2601 <b>8013</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 160 A / B3 <sub>DS</sub>   | 6 P          | 2601 <b>6016</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
|                            | 8 P          | 2601 <b>8016</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 250 A / B4 <sub>DS</sub>   | 6 P          | 2601 <b>6025</b> | Type C1<br>Black<br>2799 <b>7052</b> <sup>(1)</sup><br>Red<br>2799 <b>7053</b> | Type S4<br>Black IP65<br><b>1443 3111</b> <sup>(1)</sup><br>Red IP65<br><b>1444 3111</b> | 200 mm<br>1401 <b>1520</b><br>320 mm<br>1401 <b>1532</b> <sup>(1)</sup> |                                                                                                        | 6 P<br>2694 <b>3021</b> <sup>(2)(3)</sup><br>8 P<br>2694 <b>4021</b> <sup>(2)(3)</sup> | 6 P<br>1509 <b>3025</b> <sup>(4)</sup><br>8 P<br>1509 <b>4025</b> <sup>(4)</sup> |
|                            | 8 P          | 2601 <b>8025</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 400 A / B5 <sub>DS</sub>   | 6 P          | 2601 <b>6040</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        | 6 P<br>2694 <b>3051</b> <sup>(2)(3)</sup><br>8 P<br>2694 <b>4051</b> <sup>(2)(3)</sup> | 6 P<br>1509 <b>3063</b> <sup>(4)</sup><br>8 P<br>1509 <b>4063</b> <sup>(4)</sup> |
|                            | 8 P          | 2601 <b>8040</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 630 A / B5 <sub>DS</sub>   | 6 P          | 2601 <b>6063</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
|                            | 8 P          | 2601 <b>8063</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 800 A / B6 <sub>DS</sub>   | 6 P          | 2601 <b>6080</b> | C2 type<br>Black<br>2799 <b>7012</b> <sup>(1)</sup><br>Red<br>2799 <b>7013</b> | Type V1<br>Black IP65<br>2799 <b>7145</b> <sup>(1)</sup>                                 | 320 mm<br>2799 <b>3018</b> <sup>(1)</sup>                               |                                                                                                        | -                                                                                      | 6 P<br>1509 <b>3080</b> <sup>(4)</sup><br>8 P<br>1509 <b>4080</b> <sup>(4)</sup> |
|                            | 8 P          | 2601 <b>8080</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 1000 A / B6 <sub>DS</sub>  | 6 P          | 2601 <b>6100</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
|                            | 8 P          | 2601 <b>8100</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 1250 A / B7 <sub>DS</sub>  | 6 P          | 2601 <b>6120</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
|                            | 8 P          | 2601 <b>8120</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |
| 1600 A / B7 <sub>DS</sub>  | 6 P          | 2601 <b>6160</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        | 6 P<br>1509 <b>3160</b> <sup>(4)</sup><br>8 P<br>1509 <b>4160</b> <sup>(4)</sup> |
|                            | 8 P          | 2601 <b>8160</b> |                                                                                |                                                                                          |                                                                         |                                                                                                        |                                                                                        |                                                                                  |

(1) Standard.

(2) Top or bottom on the front or rear of the device.

(3) Select 2 sets for front or rear.

(4) Top or bottom at the front of the device.

## Accessories

### Direct operation handle

| SIRCO direct operation handle                     |              |             |               |                                 |
|---------------------------------------------------|--------------|-------------|---------------|---------------------------------|
| Rating (A) / Frame size                           | No. of poles | Handle type | Handle colour | Reference                       |
| 125 ... 160 / B3                                  | 3/4 P        | B1          | Black         | 2699 <b>5042</b> <sup>(1)</sup> |
| 125 ... 160 / B3                                  | 3/4 P        | B1          | Red           | 2699 <b>5043</b>                |
| 125 ... 160 / B3 <sub>DS</sub>                    | 6/8 P        | B3          | Black         | 4199 <b>5012</b> <sup>(1)</sup> |
| 200 ... 630 / B4-B5                               | 3/4 P        | B2          | Black         | 2699 <b>5052</b> <sup>(1)</sup> |
| 200 ... 630 / B4-B5                               | 3/4 P        | B2          | Red           | 2699 <b>5053</b>                |
| 250 ... 630 / B4 <sub>DS</sub> -B5 <sub>DS</sub>  | 6/8 P        | C1          | Black         | 2799 <b>7052</b> <sup>(1)</sup> |
| 250 ... 630 / B4 <sub>DS</sub> -B5 <sub>DS</sub>  | 6/8 P        | C1          | Red           | 2799 <b>7053</b>                |
| 800 ... 3200 / B6...B8                            | 3/4 P        | C2          | Black         | 2799 <b>7012</b> <sup>(1)</sup> |
| 800 ... 3200 / B6...B8                            | 3/4 P        | C2          | Red           | 2799 <b>7013</b>                |
| 800 ... 1600 / B6 <sub>DS</sub> -B7 <sub>DS</sub> | 6/8 P        | C2          | Black         | 2799 <b>7012</b> <sup>(1)</sup> |
| 800 ... 1600 / B6 <sub>DS</sub> -B7 <sub>DS</sub> | 6/8 P        | C2          | Red           | 2799 <b>7013</b>                |
| 4000 ... 5000 / B9                                | 3/4 P        | V0          | Black         | 2799 <b>7072</b> <sup>(1)</sup> |

(1) Standard.

| SIRCO AC direct operation handle |              |             |               |                                 |
|----------------------------------|--------------|-------------|---------------|---------------------------------|
| Rating (A) / Frame size          | No. of poles | Handle type | Handle colour | Reference                       |
| 200 ... CD 630 / B4 ... B5       | 3/4 P        | J1          | Black         | 1112 <b>1111</b> <sup>(1)</sup> |
| 200 ... CD 630 / B4 ... B5       | 3/4 P        | J1          | Red           | 1113 <b>1111</b>                |
| 630 ... 1600 / B6 ... B7         | 3/4 P        | J4          | Black         | 1142 <b>1111</b> <sup>(1)</sup> |
| 630 ... 1600 / B6 ... B7         | 3/4 P        | J4          | Red           | 1143 <b>1111</b>                |
| 2000 / B8                        | 3/4 P        | S5          | Black         | 2799 <b>7042</b> <sup>(1)</sup> |
| 2000 / B8                        | 3/4 P        | S5          | Red           | 2799 <b>7043</b>                |
| 4000 / B9                        | 3/4 P        | V0          | Black         | 2799 <b>7072</b> <sup>(1)</sup> |

(1) Standard.



### Door interlocked external operation handle

| SIRCO and SIRCO AC external front operation handle |                            |              |             |               |                            |                                 |
|----------------------------------------------------|----------------------------|--------------|-------------|---------------|----------------------------|---------------------------------|
| Rating (A) / Frame size                            |                            | No. of poles | Handle type | Handle colour | External IP <sup>(1)</sup> | Reference                       |
| SIRCO                                              | SIRCO AC                   |              |             |               |                            |                                 |
| 125 ... 630 / B3 ... B5                            | 200 ... CD 630 / B4 ... B5 | 3/4 P        | S2          | Black         | IP55                       | 1421 <b>2111</b> <sup>(2)</sup> |
|                                                    |                            |              |             | Black         | IP65                       | 1423 <b>2111</b>                |
|                                                    |                            |              |             | Red           | IP65                       | 1424 <b>2111</b>                |
|                                                    |                            |              |             | Black         | IP55                       | 1421 <b>2111</b> <sup>(2)</sup> |
| 125 ... 160 / B3 <sub>DS</sub>                     |                            | 6/8 P        | S4          | Black         | IP65                       | 1423 <b>2111</b>                |
|                                                    |                            |              |             | Red           | IP65                       | 1424 <b>2111</b>                |
| 250 ... 630 / B4 <sub>DS</sub> -B5 <sub>DS</sub>   |                            | 6/8 P        |             | Black         | IP65                       | 1443 <b>3111</b>                |
|                                                    |                            |              |             | Red           | IP65                       | 1444 <b>3111</b>                |
| 800 ... 1600 / B6 <sub>DS</sub> -B7 <sub>DS</sub>  |                            | 6/8 P        | V1          | Black         | IP65                       | 2799 <b>7145</b> <sup>(2)</sup> |
| 800 ... 1800 / B6-B7                               | 630 ... 1600 / B6 ... B7   | 3/4 P        | S4          | Black         | IP65                       | 1443 <b>3111</b> <sup>(2)</sup> |
|                                                    |                            |              |             | Red           | IP65                       | 1444 <b>3111</b>                |
|                                                    |                            |              |             | Black         | IP65                       | 2799 <b>7136</b> <sup>(2)</sup> |
|                                                    |                            |              |             | Red           | IP65                       | 2799 <b>7134</b>                |
| 2000 ... 3200 / B8                                 | 2000 / B8                  | 3/4 P        | S5          | Black         | IP65                       | 1453 <b>8111</b>                |
|                                                    |                            |              |             | Red           | IP65                       | 1454 <b>8111</b>                |
|                                                    |                            |              |             | Black         | IP65                       | 1453 <b>8111</b>                |
|                                                    |                            |              |             | Red           | IP65                       | 1454 <b>8111</b>                |
| 4000 ... 5000 / B9                                 | 4000 / B9                  | 3/4 P        | V0          | Black         | IP65                       | 2799 <b>7155</b> <sup>(2)</sup> |

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

(2) Standard.

#### Use

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



## Accessories (continued)

### Shaft for external operation

For 3/4 pole SIRCO and SIRCO AC

| Rating (A) / Frame size |                          | Dimension X (mm) | Length (mm) | Reference |
|-------------------------|--------------------------|------------------|-------------|-----------|
| SIRCO                   | SIRCO AC                 |                  |             |           |
| 125 ... 160 / B3        |                          | 125 ... 250      | 200         | 1400 1020 |
|                         |                          | 125 ... 300      | 250         | 1400 1025 |
|                         |                          | 125 ... 370      | 320         | 1400 1032 |
|                         |                          | 125 ... 550      | 500         | 1400 1050 |
|                         |                          | 125 ... 850      | 750         | 1400 1075 |
| 200 ... 250 / B4        | 200 ... 315 / B4         | 135 ... 265      | 200         | 1400 1020 |
|                         |                          | 135 ... 315      | 250         | 1400 1025 |
|                         |                          | 135 ... 385      | 320         | 1400 1032 |
|                         |                          | 135 ... 565      | 500         | 1400 1050 |
|                         |                          | 135 ... 880      | 750         | 1400 1075 |
| 315 ... 630 / B5        | 400 ... CD 630 / B5      | 165 ... 295      | 200         | 1400 1020 |
|                         |                          | 165 ... 345      | 250         | 1400 1025 |
|                         |                          | 165 ... 415      | 320         | 1400 1032 |
|                         |                          | 165 ... 595      | 500         | 1400 1050 |
|                         |                          | 165 ... 940      | 750         | 1400 1075 |
| 800 ... 1800 / B6...B7  | 630 ... 1600 / B6 ... B7 | 221 ... 343      | 200         | 1401 1520 |
|                         |                          | 221 ... 463      | 320         | 1401 1532 |
|                         |                          | 221 ... 543      | 400         | 1401 1540 |
|                         |                          | 415 ... 570      | 200         | 2799 3015 |
| 2000 ... 3200 / B8      | 2000 / B8                | 415 ... 690      | 320         | 2799 3018 |
|                         |                          | 415 ... 820      | 450         | 2799 3019 |
|                         |                          | 550 ... 680      | 200         | 2799 3015 |
| 4000 ... 5000 / B9      | 4000 / B9                | 651 ... 921      | 320         | 2799 3018 |

For 6/8-pole SIRCO

| Rating (A) / Frame size                          | Dimension X (mm) | Length (mm) | Reference |
|--------------------------------------------------|------------------|-------------|-----------|
| 125 ... 160 / B3 <sub>DS</sub>                   | 270 ... 436      | 200         | 1400 1020 |
| 125 ... 160 / B3 <sub>DS</sub>                   | 270 ... 556      | 320         | 1400 1032 |
| 250 ... 630 / B4 <sub>DS</sub> -B5 <sub>DS</sub> | 221 ... 308      | 200         | 1401 1520 |
| 250 ... 630 / B4 <sub>DS</sub> -B5 <sub>DS</sub> | 221 ... 428      | 320         | 1401 1532 |
| 250 ... 630 / B4 <sub>DS</sub> -B5 <sub>DS</sub> | 221 ... 508      | 400         | 1401 1540 |

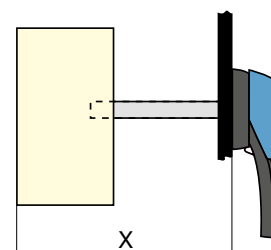
#### Use

Standard lengths:

- 200 mm
- 250 mm
- 300 mm
- 400 mm
- 500 mm
- 750 mm

Other lengths available:

- please consult us.



### Alternative handle cover colours

#### Use

For S type handles.

| Handle 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 cover

### S type handle adapter

#### Use

Adds 12 mm to the depth of the handle.

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

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



## 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 shaft lengths over 320 mm.

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



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## Auxiliary contact

### Use

Pre-break and signalling of positions 0 and I:  
- 1 to 2 NO/NC auxiliary contacts.  
- 1 to 4 NO+NC auxiliary contacts.  
- 1 to 2 low level NO/NC auxiliary contacts.

### Characteristics

NO/NC A/C: IP2 with front operation.

### Connection to the control circuit

6.35 mm fast-on terminal.

### Electrical characteristics

30 000 operations.

| NO/NC contact for 3/4 pole SIRCO and SIRCO AC |                                  |           |
|-----------------------------------------------|----------------------------------|-----------|
| Rating (A) / Frame size                       | Position A/C                     | Reference |
| 125 ... 3200 / B3 ... B8                      | 1 <sup>st</sup>                  | 2699 0031 |
| 125 ... 3200 / B3 ... B8                      | 2 <sup>nd</sup>                  | 2699 0032 |
| 4000 ... 5000 / B9                            | 1 <sup>st</sup> /2 <sup>nd</sup> | included  |

| NO/NC contact for 6/8 pole SIRCO                     |                 |           |
|------------------------------------------------------|-----------------|-----------|
| Rating (A) / Frame size                              | Position A/C    | Reference |
| 125 ... 1600 / B3 <sub>DS</sub> ... B7 <sub>DS</sub> | 1 <sup>st</sup> | 2699 0061 |
| 125 ... 1600 / B3 <sub>DS</sub> ... B7 <sub>DS</sub> | 2 <sup>nd</sup> | 2699 0062 |

| NO+NC contact for 3/4 pole SIRCO and SIRCO AC |                                                   |           |
|-----------------------------------------------|---------------------------------------------------|-----------|
| Rating (A) / Frame size                       | Position A/C                                      | Reference |
| 125 ... 3200 / B3 ... B8                      | 1 <sup>st</sup>                                   | 2699 0141 |
| 125 ... 3200 / B3 ... B8                      | 2 <sup>nd</sup> /3 <sup>rd</sup> /4 <sup>th</sup> | 2699 0142 |

| NO/NC low level contact for 3/4 pole SIRCO and SIRCO AC |                 |           |
|---------------------------------------------------------|-----------------|-----------|
| Rating (A) / Frame size                                 | Position A/C    | Reference |
| 125 ... 3200 / B3 ... B8                                | 1 <sup>st</sup> | 2699 0301 |
| 125 ... 3200 / B3 ... B8                                | 2 <sup>nd</sup> | 2699 0302 |

### Characteristics

|                          |              |                     | Operating current I <sub>o</sub> (A) |          |         |          |        |       |       |        |       |       |
|--------------------------|--------------|---------------------|--------------------------------------|----------|---------|----------|--------|-------|-------|--------|-------|-------|
| Rating (A) / Frame size  | Contact type | Current nominal (A) | 230 VAC                              |          | 400 VAC |          | 24 VDC |       |       | 48 VDC |       |       |
|                          |              |                     | AC-12                                | AC-13/15 | AC-12   | AC-13/15 | DC-12  | DC-13 | DC-14 | DC-12  | DC-13 | DC-14 |
| 125 ... 3200 / B3 ... B8 | NO/NC        | 16                  | 16                                   | 4        | 12      | 3        | 2.5    | 2.5   | 1     | 2.5    | 1.2   | 0.2   |
| 125 ... 3200 / B3 ... B8 | NO + NC      | 16                  | 16                                   | 4        | 16      | 3        | 16     | 5     | 1     | 2.5    | 1.2   | 0.2   |

## Inter-phase barrier

### Use

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

### For 3/4 poles SIRCO and SIRCO AC

| Rating (A) / Frame size  | SIRCO AC                 | No. of poles | Reference |
|--------------------------|--------------------------|--------------|-----------|
| 125 ... 160 / B3         |                          | 3 P          | 2998 0033 |
| 125 ... 160 / B3         |                          | 4 P          | 2998 0034 |
| 200 ... 250 / B4         | 200 ... 315 / B4         | 3 P          | 2998 0023 |
| 200 ... 250 / B4         | 200 ... 315 / B4         | 4 P          | 2998 0024 |
| 315 ... 630 / B5         | 315 ... CD 360 / B5      | 3 P          | 2998 0013 |
| 315 ... 630 / B5         | 315 ... CD 360 / B5      | 4 P          | 2998 0014 |
| 800 ... 5000 / B6 ... B9 | 630 ... 4000 / B6 ... B9 | 3 P          | included  |
| 800 ... 5000 / B6 ... B9 | 630 ... 4000 / B6 ... B9 | 4 P          | included  |



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## Accessories (continued)

### Terminal shrouds

#### Use

Top or bottom protection against direct contact with terminals or connection parts.

#### Advantage

Perforations allow remote thermographic inspection without the need to remove the shrouds. The terminal shrouds also provide phase separation for SIRCO and SIRCO AC from 125 to 630 A.



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#### For 3/4 poles SIRCO and SIRCO AC

| Rating (A) / Frame size<br>SIRCO | SIRCO AC            | No. of poles | Position      | Reference                |
|----------------------------------|---------------------|--------------|---------------|--------------------------|
| 125 ... 160 / B3                 |                     | 3 P          | top or bottom | 2694 3014 <sup>(1)</sup> |
| 125 ... 160 / B3                 |                     | 4 P          | top or bottom | 2694 4014 <sup>(2)</sup> |
| 200 ... 250 / B4                 | 200 ... 315 / B4    | 3 P          | top or bottom | 2694 3021 <sup>(1)</sup> |
| 200 ... 250 / B4                 | 200 ... 315 / B4    | 4 P          | top or bottom | 2694 4021 <sup>(2)</sup> |
| 315 ... 630 / B5                 | 400 ... CD 630 / B5 | 3 P          | top or bottom | 2694 3051 <sup>(1)</sup> |
| 315 ... 630 / B5                 | 400 ... CD 630 / B5 | 4 P          | top or bottom | 2694 4051 <sup>(2)</sup> |

(1) Reference includes 3 parts for top or bottom protection.

(2) Reference includes 4 parts for top or bottom protection.

#### For 6/8-pole SIRCO

| Rating (A) / Frame size        | No. of poles | Position      | Reference                   |
|--------------------------------|--------------|---------------|-----------------------------|
| 125 ... 160 / B3 <sub>DS</sub> | 6 P          | Top or bottom | 2694 3014 <sup>(1)(3)</sup> |
| 125 ... 160 / B3 <sub>DS</sub> | 8 P          | Top or bottom | 2694 4014 <sup>(2)(3)</sup> |
| 250 / B4 <sub>DS</sub>         | 6 P          | Top or bottom | 2694 3021 <sup>(1)(3)</sup> |
| 250 / B4 <sub>DS</sub>         | 8 P          | Top or bottom | 2694 4021 <sup>(2)(3)</sup> |
| 400 ... 630 / B5 <sub>DS</sub> | 6 P          | Top or bottom | 2694 3051 <sup>(1)(3)</sup> |
| 400 ... 630 / B5 <sub>DS</sub> | 8 P          | Top or bottom | 2694 4051 <sup>(2)(3)</sup> |

(1) Reference includes 3 parts for top or bottom protection on the front or rear of the device.

(2) Reference includes 4 parts for top or bottom protection on the front or rear of the device.

(3) Select 2 sets for front or rear.

### Distribution block

#### Use

Easy connection of multiple cables, bottom of the SIRCO.

#### For 3/4-pole SIRCO

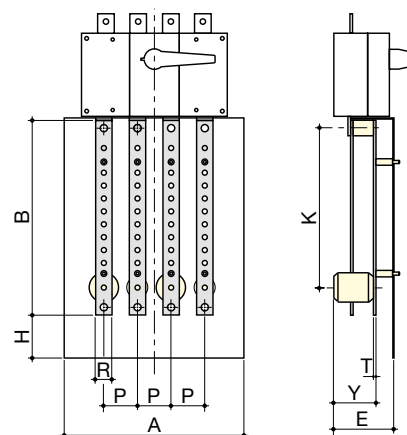
| Rating (A) / Frame size | No. of poles | No. of feeders per section (mm <sup>2</sup> ) | I <sub>cc</sub> (kA rms) <sup>(1)</sup> | Reference |
|-------------------------|--------------|-----------------------------------------------|-----------------------------------------|-----------|
| 160 / B3                | 3 P          | 1x95 + 8x25                                   | 10                                      | 5411 3016 |
| 160 / B3                | 4 P          | 1x95 + 8x25                                   | 10                                      | 5411 4016 |
| 250 / B4                | 3 P          | 1x150 + 8x50                                  | 15                                      | 5411 3025 |
| 250 / B4                | 4 P          | 1x150 + 8x50                                  | 15                                      | 5411 4025 |
| 400 / B5                | 3 P          | 1x240 + 8x95                                  | 21                                      | 5411 3040 |
| 400 / B5                | 4 P          | 1x240 + 8x95                                  | 21                                      | 5411 4040 |
| 630 / B5                | 3 P          | 1x300 + 8x150                                 | 21                                      | 5411 3063 |
| 630 / B5                | 4 P          | 1x300 + 8x150                                 | 21                                      | 5411 4063 |

#### Dimensions

| Rating (A) / Frame size | No. of poles | A   | B   | T   | H    | K     | P  | R  | T | Y  |
|-------------------------|--------------|-----|-----|-----|------|-------|----|----|---|----|
| 160 / B3                | 3 P          | 154 | 286 | 73  | 46.5 | 261.5 | 36 | 20 | 4 | 54 |
| 160 / B3                | 4 P          | 190 | 286 | 73  | 46.5 | 261.5 | 36 | 20 | 4 | 54 |
| 250 / B4                | 3 P          | 210 | 307 | 83  | 57.5 | 279   | 50 | 25 | 4 | 56 |
| 250 / B4                | 4 P          | 260 | 307 | 83  | 57.5 | 279   | 50 | 25 | 4 | 56 |
| 400 / B5                | 3 P          | 281 | 375 | 116 | 82.5 | 340   | 65 | 32 | 5 | 82 |
| 400 / B5                | 4 P          | 346 | 375 | 116 | 82.5 | 340   | 65 | 32 | 5 | 82 |
| 630 / B5                | 3 P          | 271 | 438 | 117 | 90.5 | 410.5 | 65 | 40 | 6 | 83 |
| 630 / B5                | 4 P          | 346 | 438 | 117 | 90.5 | 410.5 | 65 | 40 | 6 | 83 |



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repair\_003\_c\_1\_x\_cat

## Terminal screens

### Use

Top or bottom protection from direct contact with terminals or connection parts.

### For 3/4 poles SIRCO and SIRCO AC

| Rating (A) / Frame size |                      | No. of poles | Position      | Reference        |
|-------------------------|----------------------|--------------|---------------|------------------|
| SIRCO                   | SIRCO AC             |              |               |                  |
| 125 ... 160 / B3        |                      | 3 P          | top or bottom | 2698 <b>3012</b> |
| 125 ... 160 / B3        |                      | 4 P          | top or bottom | 2698 <b>4012</b> |
| 200 ... 250 / B4        | 200 ... 315 / B4     | 3 P          | top or bottom | 2698 <b>3020</b> |
| 200 ... 250 / B4        | 200 ... 315 / B4     | 4 P          | top or bottom | 2698 <b>4020</b> |
| 315 ... 630 / B5        | 400 ... CD 630 / B5  | 3 P          | top or bottom | 2698 <b>3050</b> |
| 315 ... 630 / B5        | 400 ... CD 630 / B5  | 4 P          | top or bottom | 2698 <b>4050</b> |
| 800 ... CD 1250 / B6    | 630 ... CD 1250 / B6 | 3 P          | top or bottom | 2698 <b>3080</b> |
| 800 ... CD 1250 / B6    | 630 ... CD 1250 / B6 | 4 P          | top or bottom | 2698 <b>4080</b> |
| 1250 ... 1800 / B7      | 1250 ... 1600 / B7   | 3 P          | top or bottom | 2698 <b>3120</b> |
| 1250 ... 1800 / B7      | 1250 ... 1600 / B7   | 4 P          | top or bottom | 2698 <b>4120</b> |
| 2000 ... 3200 / B8      | 2000 / B8            | 3 P          | top or bottom | 2698 <b>3200</b> |
| 2000 ... 3200 / B8      | 2000 / B8            | 4 P          | top or bottom | 2698 <b>4200</b> |
| 4000 ... 5000 / B9      | 4000 / B9            | 3/4 P        | top or bottom | 1509 <b>4200</b> |



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### For 6/8-pole SIRCO

| Rating (A) / Frame size                           | No. of poles | Position      | Reference        |
|---------------------------------------------------|--------------|---------------|------------------|
| 125 ... 160 / B3 <sub>DS</sub>                    | 6 P          | Top or bottom | 1509 <b>3012</b> |
| 125 ... 160 / B3 <sub>DS</sub>                    | 8 P          | Top or bottom | 1509 <b>4012</b> |
| 250 / B4 <sub>DS</sub>                            | 6 P          | Top or bottom | 1509 <b>3025</b> |
| 250 / B4 <sub>DS</sub>                            | 8 P          | Top or bottom | 1509 <b>4025</b> |
| 400 ... 630 / B5 <sub>DS</sub>                    | 6 P          | Top or bottom | 1509 <b>3063</b> |
| 400 ... 630 / B5 <sub>DS</sub>                    | 8 P          | Top or bottom | 1509 <b>4063</b> |
| 800 ... 1250 / B6 <sub>DS</sub> -B7 <sub>DS</sub> | 6 P          | Top or bottom | 1509 <b>3080</b> |
| 800 ... 1250 / B6 <sub>DS</sub> -B7 <sub>DS</sub> | 8 P          | Top or bottom | 1509 <b>4080</b> |
| 1600 / B7 <sub>DS</sub>                           | 6 P          | Top or bottom | 1509 <b>3160</b> |
| 1600 / B7 <sub>DS</sub>                           | 8 P          | Top or bottom | 1509 <b>4160</b> |

## Cage terminals

### Use

They enable a direct terminal-free connection to rigid copper and aluminium conductors with integration under the IP2X protective cover.

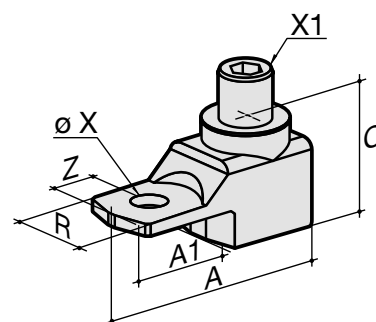
**Material:** tin-plated aluminium

### Dimensions

| Rating (A) / Frame size | A    | A1   | C    | T    | R  | T   | ØX   | X1  | Z  |
|-------------------------|------|------|------|------|----|-----|------|-----|----|
| 125 ... 160 / B3        | 47.5 | 22.5 | 25   | 12   | 20 | 3.5 | 8.5  | M12 | 10 |
| 200 ... 250 / B4        | 62   | 31.5 | 31.5 | 16.5 | 25 | 2.5 | 10.5 | M16 | 14 |
| 315 ... 400 / B5        | 71.5 | 32   | 38   | 9    | 32 | 5   | 10.5 | M20 | 15 |
| 500 ... 630 / B5        | 76.5 | 37   | 38   | 9    | 40 | 5   | 12.5 | M20 | 15 |

### References

| Rating (A) / Frame size | Tightening capacity (mm²) | No. of poles | Tightening torque (Nm) | Flexible bar width (mm) | Reference        |
|-------------------------|---------------------------|--------------|------------------------|-------------------------|------------------|
| 125 ... 160 / B3        | 16 ... 95                 | 3 P          | 14                     | 13                      | 5400 <b>3016</b> |
| 125 ... 160 / B3        | 16 ... 95                 | 4 P          | 14                     | 13                      | 5400 <b>4016</b> |
| 200 ... 250 / B4        | 16 ... 185                | 3 P          | 25                     | 18                      | 5400 <b>3025</b> |
| 200 ... 250 / B4        | 16 ... 185                | 4 P          | 25                     | 18                      | 5400 <b>4025</b> |
| 315 ... 400 / B5        | 50 ... 240                | 3 P          | 45                     | 20                      | 5400 <b>3040</b> |
| 315 ... 400 / B5        | 50 ... 240                | 4 P          | 45                     | 20                      | 5400 <b>4040</b> |
| 500 ... 630 / B5        | 70 ... 300                | 3 P          | 45                     | 24                      | 5400 <b>3063</b> |
| 500 ... 630 / B5        | 70 ... 300                | 4 P          | 45                     | 24                      | 5400 <b>4063</b> |



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## Accessories (continued)

### Copper bar connection kits

#### Use

To allow connection between the two power terminals of the same pole for 2000 to 3200 A ratings (Fig. 1 and Fig 2).

For 3200 A rating, the connection pieces (part A) are delivered bridged as standard.

Bolt sets must be ordered separately.

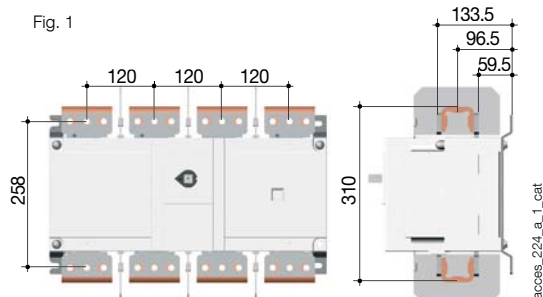
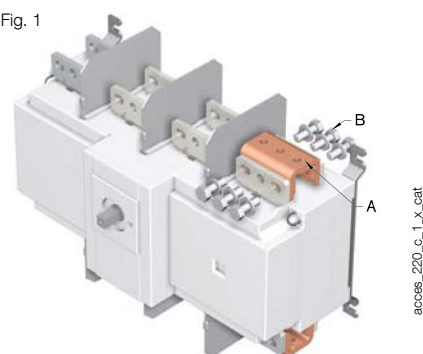
Further details for these specific accessories are available in the user guide downloadable from [www.socomec.com](http://www.socomec.com).

#### Top or bottom flat connection - Fig. 1

| Rating (A) / Frame size | Part                | Quantity to order per pole <sup>(1)</sup> | Reference |
|-------------------------|---------------------|-------------------------------------------|-----------|
| 2000 ... 2500 / B8      | Connection - part A | 1                                         | 2619 1200 |
| 2000 ... 2500 / B8      | Bolt set - part B   | 1                                         | 2699 1200 |
| 3200 / B8               | Connection - part A |                                           | included  |
| 3200 / B8               | Bolt set - part B   | 1                                         | 2699 1200 |
| 4000 ... 5000 / B9      | Standard connection |                                           |           |

(1) Example for 3-pole device equipped top only: order 3 times the indicated quantity.

Fig. 1



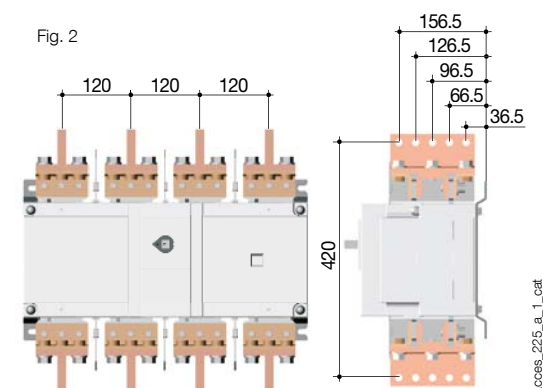
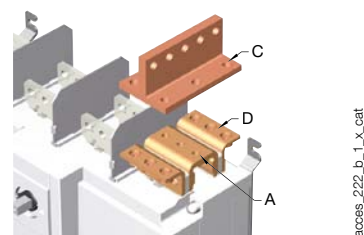
#### Top or bottom edgewise connection - Fig. 2

| Rating (A) / Frame size | Part                | Quantity to order per pole <sup>(1)</sup> | Reference                |
|-------------------------|---------------------|-------------------------------------------|--------------------------|
| 2000 ... 2500 / B8      | Connection - part A | 1                                         | 2619 1200                |
| 2000 ... 2500 / B8      | T piece - part C    | 1                                         | 2629 1200 <sup>(2)</sup> |
| 2000 ... 2500 / B8      | Bracket - part D    | 1                                         | 2639 1200 <sup>(2)</sup> |
| 3200 / B8               | Connection - part A |                                           | included                 |
| 3200 / B8               | T piece - part C    | 1                                         | 2629 1200                |
| 3200 / B8               | Bracket - part D    | 1                                         | 2639 1200                |
| 4000 ... 5000 / B9      | Standard connection |                                           |                          |

(1) Example for 3-pole device equipped top only: order 3 times the indicated quantity.

(2) Bolt set is provided with the accessories.

Fig. 2



## Key handle interlocking system

### Use

Locking in position 0 of the front or side operation handle:

- using a padlock (not supplied) and standard padlocking function of the handle. From 125 to 1800 A, padlocking the external front operation handle provides door interlocking,

- using a lock (not supplied): see diagrams opposite,
- using an undervoltage coil: the SIRCO can only be closed if the coil is energised.

For 6 / 8-pole, please consult us.

### For SIRCO

#### Locking using RONIS EL11AP lock (not supplied)

| Rating (A) / Frame size   | No. of poles | Operation      | Figure | Reference                      |
|---------------------------|--------------|----------------|--------|--------------------------------|
| 125 ... 630 / B3 ... B5   | 3/4 P        | Front direct   | 1      | 2699 <b>6008<sup>(1)</sup></b> |
| 125 ... 1800 / B3 ... B7  | 3/4 P        | External front | 3      | 1499 <b>7701</b>               |
| 800 ... 3200 / B6 ... B8  | 3/4 P        | Front direct   | 2      | 2699 <b>6027</b>               |
| 1250 ... 5000 / B7 ... B9 | 3/4 P        | External front | 4      | 2799 <b>7002</b>               |

(1) Front operation handle included.

### For SIRCO AC

#### Locking using RONIS EL11AP lock (not supplied)

| Rating (A) / Frame size    | No. of poles | Operation    | Figure | Reference                      |
|----------------------------|--------------|--------------|--------|--------------------------------|
| 200 ... CD 630 / B4 ... B5 | 3/4 P        | Front direct | 1      | 2699 <b>6011<sup>(1)</sup></b> |
| 630 ... 1600 / B6 ... B7   | 3/4 P        | Front direct | 2      | 2699 <b>6028</b>               |

(1) The locking system is directly mounted on the device.

### For SIRCO

#### Locking using 230 VAC undervoltage coil

(For other voltages, please contact us)

| Rating (A) / Frame size  | No. of poles | Operation      | Reference                      |
|--------------------------|--------------|----------------|--------------------------------|
| 125 ... 630 / B3 ... B5  | 3/4 P        | External front | 2699 <b>9063<sup>(1)</sup></b> |
| 800 ... 3200 / B6 ... B8 | 3/4 P        | Front direct   | 2699 <b>9315<sup>(1)</sup></b> |

(1) The locking system is directly mounted on the device.

#### Locking using CASTELL lock (not supplied)

| Rating (A) / Frame size     | No. of poles | Handle type | Lock type | Operation      | Figure | Reference        |
|-----------------------------|--------------|-------------|-----------|----------------|--------|------------------|
| 125 ... 160 / B3            | 6/8 P        | S2          | K         | External front | 2      | 4109 <b>8507</b> |
| 125 ... 1 800 / B3 ... B8   | 3/4 P        | S2, S4      | FS        | External front | 3      | 1499 <b>7703</b> |
| 125 ... 1 800 / B3 ... B8   | 3/4 P        | S2, S4      | K         | External front | 3      | 1499 <b>7702</b> |
| 250 ... 630 / B4 ... B5     | 6/8 P        | S4          | K         | External front | 2      | 2999 <b>8707</b> |
| 800 ... 1 600 / B6 ... B7   | 6/8 P        | S5          | K         | External front | 2      | 2799 <b>7003</b> |
| 1 250 ... 4 000 / B7 ... B9 | 3/4 P        | S5, S0      | K         | External front | 2      | 2799 <b>7003</b> |

Fig. 1

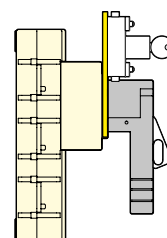


Fig. 3

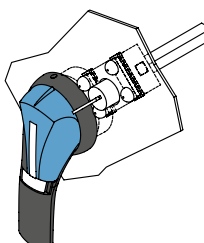


Fig. 2

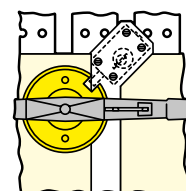
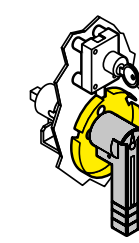


Fig. 4



## Other specific accessories



- Mechanical coupling device for making switches with "n" poles of the same or different ratings
- Mechanical interlocking device

## SIRCO characteristics according to IEC 60947-3

### 125 to 800 A

| Thermal current $I_{th}$ at 40°C               | 125 A | 160 A | 200 A | 250 A | 315 A | 400 A | 500 A | 630 A | 800 A |
|------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frame size                                     | B3    | B3    | B4    | B4    | B5    | B5    | B5    | B5    | B6    |
| Rated insulation voltage $U_i$ (V)             | 800   | 800   | 800   | 800   | 1000  | 1000  | 1000  | 1000  | 1000  |
| Rated impulse withstand voltage $U_{imp}$ (kV) | 8     | 8     | 8     | 8     | 12    | 12    | 12    | 12    | 12    |

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

| Rated voltage | Utilisation category | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    | A / B <sup>(1)</sup>                    |
|---------------|----------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| 415 VAC       | AC-20 A / AC-20 B    | 125 / 125                               | 160 / 160                               | 200 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 630 / 630                               | 800 / 800                               |
| 415 VAC       | AC-21 A / AC-21 B    | 125 / 125                               | 160 / 160                               | 200 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 630 / 630                               | 800 / 800                               |
| 415 VAC       | AC-22 A / AC-22 B    | 125 / 125                               | 160 / 160                               | 200 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 630 / 630                               | 800 / 800                               |
| 415 VAC       | AC-23 A / AC-23 B    | 125 / 125                               | 160 / 160                               | 200 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 500 / 500                               | 800 / 800                               |
| 220 VDC       | DC-20 A / DC-20 B    | 125 / 125                               | 160 / 160                               | 200 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 630 / 630                               | 800 / 800                               |
| 220 VDC       | DC-21 A / DC-21 B    | 125 / 125                               | 160 / 160                               | 160 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 630 / 630                               | 800 / 800                               |
| 220 VDC       | DC-22 A / DC-22 B    | 125 / 125                               | 160 / 160                               | 160 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 400 / 500                               | 500 / 500                               | 800 / 800                               |
| 220 VDC       | DC-23 A / DC-23 B    | 125 / 125                               | 125 / 125                               | 160 / 160                               | 200 / 200                               | 315 / 315                               | 400 / 400                               | 400 / 400                               | 500 / 500                               | 800 / 800                               |
| 440 VDC       | DC-20 A / DC-20 B    | 125 / 125                               | 160 / 160                               | 200 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 630 / 630                               | 800 / 800                               |
| 440 VDC       | DC-21 A / DC-21 B    | 125 <sup>(3)</sup> / 125 <sup>(3)</sup> | 160 <sup>(3)</sup> / 160 <sup>(3)</sup> | 160 <sup>(3)</sup> / 200 <sup>(3)</sup> | 200 <sup>(3)</sup> / 200 <sup>(3)</sup> | 315 <sup>(3)</sup> / 315 <sup>(3)</sup> | 400 <sup>(3)</sup> / 400 <sup>(3)</sup> | 400 <sup>(3)</sup> / 400 <sup>(3)</sup> | 500 <sup>(3)</sup> / 500 <sup>(3)</sup> | 800 <sup>(4)</sup> / 800 <sup>(4)</sup> |
| 440 VDC       | DC-22 A / DC-22 B    | 125 <sup>(3)</sup> / 125 <sup>(3)</sup> | 125 <sup>(3)</sup> / 125 <sup>(3)</sup> | 160 <sup>(3)</sup> / 160 <sup>(3)</sup> | 200 <sup>(3)</sup> / 200 <sup>(3)</sup> | 315 <sup>(3)</sup> / 315 <sup>(3)</sup> | 400 <sup>(3)</sup> / 400 <sup>(3)</sup> | 400 <sup>(3)</sup> / 400 <sup>(3)</sup> | 500 <sup>(3)</sup> / 500 <sup>(3)</sup> | 800 <sup>(4)</sup> / 800 <sup>(4)</sup> |
| 440 VDC       | DC-23 A / DC-23 B    | 125 <sup>(4)</sup> / 125 <sup>(4)</sup> | 125 <sup>(4)</sup> / 125 <sup>(4)</sup> | 160 <sup>(4)</sup> / 160 <sup>(4)</sup> | 200 <sup>(4)</sup> / 200 <sup>(4)</sup> | 315 <sup>(4)</sup> / 315 <sup>(4)</sup> | 400 <sup>(4)</sup> / 400 <sup>(4)</sup> | 400 <sup>(4)</sup> / 400 <sup>(4)</sup> | 500 / 500                               | 800 <sup>(4)</sup> / 800 <sup>(4)</sup> |
| 500 VDC       | DC-20 A / DC-20 B    | 125 / 125                               | 160 / 160                               | 200 / 200                               | 250 / 250                               | 315 / 315                               | 400 / 400                               | 500 / 500                               | 630 / 630                               | 800 / 800                               |
| 500 VDC       | DC-21 A / DC-21 B    | 125 <sup>(3)</sup> / 125 <sup>(3)</sup> | 125 <sup>(3)</sup> / 125 <sup>(3)</sup> | 160 <sup>(3)</sup> / 200 <sup>(3)</sup> | 200 <sup>(3)</sup> / 200 <sup>(3)</sup> | 315 <sup>(3)</sup> / 315 <sup>(3)</sup> | 400 <sup>(3)</sup> / 400 <sup>(3)</sup> | 400 <sup>(3)</sup> / 400 <sup>(3)</sup> | 500 <sup>(3)</sup> / 500 <sup>(3)</sup> | 800 <sup>(4)</sup> / 800 <sup>(4)</sup> |
| 500 VDC       | DC-22 A / DC-22 B    | 125 <sup>(4)</sup> / 125 <sup>(4)</sup> | 125 <sup>(4)</sup> / 125 <sup>(4)</sup> | 160 <sup>(4)</sup> / 160 <sup>(4)</sup> | 200 <sup>(4)</sup> / 200 <sup>(4)</sup> | 315 <sup>(4)</sup> / 315 <sup>(4)</sup> | 315 <sup>(4)</sup> / 400 <sup>(4)</sup> | 315 <sup>(4)</sup> / 400 <sup>(4)</sup> | 500 <sup>(4)</sup> / 500 <sup>(4)</sup> | 800 <sup>(4)</sup> / 800 <sup>(4)</sup> |
| 500 VDC       | DC-23 A / DC-23 B    | 125 <sup>(4)</sup> / 125 <sup>(4)</sup> | 125 <sup>(4)</sup> / 125 <sup>(4)</sup> | 160 <sup>(4)</sup> / 160 <sup>(4)</sup> | 200 <sup>(4)</sup> / 200 <sup>(4)</sup> | 315 <sup>(4)</sup> / 315 <sup>(4)</sup> | 315 <sup>(4)</sup> / 400 <sup>(4)</sup> | 315 <sup>(4)</sup> / 400 <sup>(4)</sup> | 500 <sup>(4)</sup> / 500 <sup>(4)</sup> | 800 <sup>(4)</sup> / 800 <sup>(4)</sup> |

### Operational power in AC-23 (kW)<sup>(1)(5)</sup>

|                                                |         |         |           |           |           |           |           |           |           |
|------------------------------------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| At 415 VAC without AC pre-break <sup>(1)</sup> | 63 / 63 | 80 / 80 | 100 / 100 | 132 / 132 | 160 / 160 | 220 / 220 | 280 / 280 | 280 / 280 | 450 / 450 |
|------------------------------------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

### Reactive power (kvar)

|                                  |    |    |    |     |     |     |     |     |     |
|----------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|
| At 400 VAC (kvar) <sup>(5)</sup> | 55 | 75 | 90 | 115 | 145 | 185 | 230 | 290 | 365 |
|----------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|

### gG DIN fuse protected short-circuit withstand (kA rms prospective)<sup>(6)</sup>

|                                            |     |     |     |     |     |     |     |     |     |
|--------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Prospective short-circuit current (kA rms) | 100 | 100 | 80  | 50  | 100 | 100 | 100 | 70  | 50  |
| Associated fuse rating (A)                 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 |

### Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s

|                                                            |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------------|----|----|----|----|----|----|----|----|----|
| Rated short-time withstand current 0.3s. $I_{cw}$ (kA rms) | 15 | 15 | 17 | 17 | 25 | 25 | 25 | 25 | 50 |
|------------------------------------------------------------|----|----|----|----|----|----|----|----|----|

### Short-circuit operation (switch only)

|                                                                      |    |    |    |    |    |    |    |    |    |
|----------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|
| Rated short-time withstand current $I_{cw}$ 1s (kA rms)              | 7  | 7  | 9  | 9  | 13 | 13 | 13 | 13 | 26 |
| Rated peak withstand current in $I_{cc}$ (kA peak) <sup>(6)(7)</sup> | 20 | 20 | 30 | 30 | 45 | 45 | 45 | 45 | 55 |

### Connection

|                                                    |       |       |        |        |        |        |        |            |            |
|----------------------------------------------------|-------|-------|--------|--------|--------|--------|--------|------------|------------|
| Minimum Cu cable cross-section (mm <sup>2</sup> )  | 35    | 50    | 70     | 95     | 150    | 185    | 240    | 2 x 150    | 2 x 185    |
| Minimum Cu busbar cross-section (mm <sup>2</sup> ) |       |       |        |        |        |        |        | 2 x 30 x 5 | 2 x 40 x 5 |
| Maximum Cu cable cross-section (mm <sup>2</sup> )  | 50    | 95    | 95     | 150    | 240    | 240    | 240    | 2 x 300    | 2 x 300    |
| Maximum Cu busbar width (mm)                       | 25    | 25    | 32     | 32     | 40     | 40     | 40     | 50         | 63         |
| Tightening torque min/max (Nm)                     | 9 / - | 9 / - | 20 / - | 20 / - | 20 / - | 20 / - | 20 / - | 40 / 45    | 40 / 45    |

### Mechanical characteristics

|                                         |       |       |       |       |       |       |       |       |      |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Durability (number of operating cycles) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 3000 |
| Operating effort (Nm)                   | 6.5   | 6.5   | 10    | 10    | 14.5  | 14.5  | 14.5  | 14.5  | 37   |
| Weight of a 3-pole device (kg)          | 1     | 1.5   | 2     | 2     | 3.5   | 3.5   | 3.5   | 3.5   | 8    |
| Weight of a 4-pole device (kg)          | 1.5   | 1.5   | 2     | 2     | 4     | 4     | 4.5   | 4.5   | 10   |

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

(2) With terminal shrouds or phase barrier.

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

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

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

(6) For a rated operational voltage  $U_n = 415$  VAC.

(7) Coordination tables with circuit breaker: please consult us.

# SIRCO characteristics according to IEC 60947-3

## 1000 to 5000 A

| Thermal current $I_{th}$ at 40°C               | 1000 A | CD 1250 A | 1250 A | 1600 A | 1800 A | 2000 A | 2500 A | 3200 A | 4000 A | 5000 A |
|------------------------------------------------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frame size                                     | B6     | B6        | B7     | B7     | B7     | B8     | B8     | B8     | B9     | B9     |
| Rated insulation voltage $U_i$ (V)             | 1000   | 1000      | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |
| Rated impulse withstand voltage $U_{imp}$ (kV) | 12     | 12        | 12     | 12     | 12     | 12     | 12     | 12     | 12     | 12     |

## Rated operational currents $I_b$ (A)

| Rated voltage | Utilisation category | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        | A/B <sup>(1)</sup>                        |
|---------------|----------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| 415 VAC       | AC-20 A / AC-20 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1600 / 1600                               | 1800 / 1800                               | 2000 / 2000                               | 2500 / 2500                               | 3200 / 3200                               | 4000 / 4000                               | 5000 / 5000                               |
| 415 VAC       | AC-21 A / AC-21 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1600 / 1600                               | 1800 / 1800                               | 2000 / 2000                               | 2500 / 2500                               | 3200 / 3200                               | 4000 / 4000                               | 5000 / 5000                               |
| 415 VAC       | AC-22 A / AC-22 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1600 / 1600                               | 1800 / 1800                               | 2000 / 2000                               | 2500 / 2500                               | 2500 / 3200                               | 2500 / 3200                               | 2500 / 3200                               |
| 415 VAC       | AC-23 A / AC-23 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1600 / 1600                               | 1600 / 1600                               | 1600 / 1600                               | 1800 / 2000                               | 1800 / 2000                               |
| 220 VDC       | DC-20 A / DC-20 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1600 / 1600                               | 1800 / 1800                               | 2000 / 2000                               | 2500 / 2500                               | 3200 / 3200                               | 4000 / 4000                               | 5000 / 5000                               |
| 220 VDC       | DC-21 A / DC-21 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1600                               | 1250 / 1600                               | 2000 / 2000                               | 2000 / 2500                               | 2000 / 2500                               | 2500 / 3200                               | 2500 / 3200                               |
| 220 VDC       | DC-22 A / DC-22 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1600                               | 1250 / 1600                               | 1250 / 1600                               | 1800 / 2000                               | 1800 / 2000                               |
| 220 VDC       | DC-23 A / DC-23 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1250                               | 1250 / 1600                               | 1250 / 1600                               |
| 440 VDC       | DC-20 A / DC-20 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1600 / 1600                               | 1800 / 1800                               | 2000 / 2000                               | 2500 / 2500                               | 3200 / 3200                               | 4000 / 4000                               | 5000 / 5000                               |
| 440 VDC       | DC-21 A / DC-21 B    | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1600 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1600 <sup>(4)</sup> | 2000 <sup>(4)</sup> / 2000 <sup>(4)</sup> | 2000 <sup>(4)</sup> / 2500 <sup>(4)</sup> | 2500 <sup>(4)</sup> / 3200 <sup>(4)</sup> | 3200 <sup>(4)</sup> / 4000 <sup>(4)</sup> | 3200 <sup>(4)</sup> / 5000 <sup>(4)</sup> |
| 440 VDC       | DC-22 A / DC-22 B    | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1600 <sup>(4)</sup> / 1800 <sup>(4)</sup> | 1600 <sup>(4)</sup> / 1800 <sup>(4)</sup> |
| 440 VDC       | DC-23 A / DC-23 B    | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> |
| 500 VDC       | DC-20 A / DC-20 B    | 1000 / 1000                               | 1250 / 1250                               | 1250 / 1250                               | 1600 / 1600                               | 1800 / 1800                               | 2000 / 2000                               | 2500 / 2500                               | 3250 / 3250                               | 4000 / 4000                               | 5000 / 5000                               |
| 500 VDC       | DC-21 A / DC-21 B    | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1600 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1600 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1600 <sup>(4)</sup> / 1800 <sup>(4)</sup> | 1600 <sup>(4)</sup> / 1800 <sup>(4)</sup> |
| 500 VDC       | DC-22 A / DC-22 B    | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1600 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1600 <sup>(4)</sup> |
| 500 VDC       | DC-23 A / DC-23 B    | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1250 <sup>(4)</sup> / 1250 <sup>(4)</sup> | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> | 1000 <sup>(4)</sup> / 1000 <sup>(4)</sup> |

## Operational power in AC-23 (kW)<sup>(1)(5)</sup>

|                                                |           |           |           |           |           |           |           |           |           |           |           |
|------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| At 415 VAC without AC pre-break <sup>(1)</sup> | 560 / 560 | 710 / 710 | 710 / 710 | 710 / 710 | 710 / 710 | 710 / 710 | 710 / 710 | 710 / 710 | 710 / 710 | 710 / 710 | 710 / 710 |
|------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

## Reactive power (kvar)

|                                  |     |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|-----|--|--|--|--|--|--|--|--|--|--|
| At 400 VAC (kvar) <sup>(5)</sup> | 460 |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|-----|--|--|--|--|--|--|--|--|--|--|

## gG DIN fuse protected short-circuit withstand (kA rms prospective)<sup>(6)</sup>

|                                            |      |      |      |         |         |          |          |  |  |  |  |
|--------------------------------------------|------|------|------|---------|---------|----------|----------|--|--|--|--|
| Prospective short-circuit current (kA rms) | 100  | 100  | 100  | 100     | 100     | 100      | 100      |  |  |  |  |
| Associated fuse rating (A)                 | 1000 | 1250 | 1250 | 2 x 800 | 2 x 800 | 2 x 1000 | 2 x 1250 |  |  |  |  |

## Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s

|                                                            |    |    |     |     |     |     |     |     |  |  |  |
|------------------------------------------------------------|----|----|-----|-----|-----|-----|-----|-----|--|--|--|
| Rated short-time withstand current 0.3s. $I_{cw}$ (kA rms) | 65 | 65 | 100 | 100 | 100 | 100 | 100 | 100 |  |  |  |
|------------------------------------------------------------|----|----|-----|-----|-----|-----|-----|-----|--|--|--|

## Short-circuit operation (switch only)

|                                                                      |    |    |     |     |     |     |     |     |     |     |  |
|----------------------------------------------------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Rated short-time withstand current $I_{cw}$ 1s (kA rms)              | 35 | 35 | 50  | 50  | 50  | 50  | 50  | 50  | 75  | 75  |  |
| Rated peak withstand current in $I_{cc}$ (kA peak) <sup>(6)(7)</sup> | 80 | 80 | 110 | 110 | 110 | 110 | 110 | 120 | 165 | 165 |  |

## Connection

|                                                    |            |            |            |            |             |             |             |             |              |              |  |
|----------------------------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--|
| Minimum Cu cable cross-section (mm <sup>2</sup> )  | 2 x 240    |            |            |            |             |             |             |             |              |              |  |
| Minimum Cu busbar cross-section (mm <sup>2</sup> ) | 2 x 50 x 5 | 2 x 60 x 5 | 2 x 60 x 5 | 2 x 80 x 5 | 3 x 100 x 5 | 3 x 100 x 5 | 4 x 100 x 5 | 4 x 100 x 5 | 2 x 200 x 10 | 2 x 200 x 10 |  |
| Maximum Cu cable cross-section (mm <sup>2</sup> )  | 4 x 185    | 4 x 185    | 4 x 185    | 6 x 185    | 6 x 185     |             |             |             |              |              |  |
| Maximum Cu busbar width (mm)                       | 63         | 63         | 100        | 100        | 100         | 100         | 100         | 100         |              |              |  |
| Tightening torque min/max (Nm)                     | 40/45      | 40/45      | 40/45      | 40/45      | 40/45       | 40/45       | 40/-        | 40/-        | 40/-         | 40/-         |  |

## Mechanical characteristics

|                                         |      |      |      |      |      |      |      |      |      |      |  |
|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|--|
| Durability (number of operating cycles) | 3000 | 3000 | 4000 | 4000 | 4000 | 3000 | 3000 | 3000 | 2000 | 2000 |  |
| Operating effort (Nm)                   | 37   | 37   | 56   | 56   | 56   | 75   | 75   | 75   | 105  | 105  |  |
| Weight of a 3-pole device (kg)          | 8    | 8    | 12   | 12   | 12   | 22   | 22   | 22   | 45   | 45   |  |
| Weight of a 4-pole device (kg)          | 10   | 10   | 15   | 15   | 15   | 25   | 25   | 25   | 50   | 50   |  |

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

(2) With terminal shrouds or phase barrier.

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

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

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

(6) For a rated operational voltage  $U_o = 415$  VAC.

(7) Coordination tables with circuit breaker: please consult us.

## SIRCO AC characteristics according to IEC 60947-3

### 200 to 630 A

| Thermal current $I_{th}$ at 40°C                                                                                              |                      | 200 A              | 250 A              | 315 A              | 400 A                                  | 500 A                                  | CD 630 A                               | 630 A                                  |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|--------------------|--------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| Rated insulation voltage $U_i$ (V)                                                                                            |                      | 1000               | 1000               | 1000               | 1000                                   | 1000                                   | 1000                                   | 1000                                   |
| Rated impulse withstand voltage $U_{imp}$ (kV)                                                                                |                      | 12                 | 12                 | 12                 | 12                                     | 12                                     | 12                                     | 12                                     |
| Rated operational currents $I_e$ (A)                                                                                          |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| Rated voltage                                                                                                                 | Utilisation category | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     | A/B <sup>(1)</sup>                     |
| 500 VAC                                                                                                                       | AC-20 A / AC-20 B    | 200/200            | 250/250            | 315/315            | 400/400                                | 500/500                                | 630/630                                | 630/630                                |
| 500 VAC                                                                                                                       | AC-21 A / AC-21 B    | 200/200            | 250/250            | 315/315            | 400/400                                | 500/500                                | 630/630                                | 630/630                                |
| 500 VAC                                                                                                                       | AC-22 A / AC-22 B    | 200/200            | 250/250            | 315/315            | 400/400                                | 500/500                                | 630/630                                | 630/630                                |
| 500 VAC                                                                                                                       | AC-23 A / AC-23 B    | 200/200            | 250/250            | 315/315            | 400/400                                | 500/500                                | 630/630                                | 630/630                                |
| 690 VAC                                                                                                                       | AC-20 A / AC-20 B    | 200/200            | 250/250            | 315/315            | 400/400                                | 500/500                                | 630/630                                | 630/630                                |
| 690 VAC                                                                                                                       | AC-21 A / AC-21 B    | 200/200            | 250/250            | 315/315            | 400 <sup>(2)</sup> /400 <sup>(2)</sup> | 500 <sup>(2)</sup> /500 <sup>(2)</sup> | 630 <sup>(2)</sup> /630 <sup>(2)</sup> | 630 <sup>(2)</sup> /630 <sup>(2)</sup> |
| 690 VAC                                                                                                                       | AC-22 A / AC-22 B    | 200/200            | 250/250            | 315/315            | 400 <sup>(2)</sup> /400 <sup>(2)</sup> | 500 <sup>(2)</sup> /500 <sup>(2)</sup> | 630 <sup>(2)</sup> /630 <sup>(2)</sup> | 630 <sup>(2)</sup> /630 <sup>(2)</sup> |
| 690 VAC                                                                                                                       | AC-23 A / AC-23 B    | 200/200            | 250/250            | 315/315            | 400 <sup>(2)</sup> /400 <sup>(2)</sup> | 500 <sup>(2)</sup> /500 <sup>(2)</sup> | 630 <sup>(2)</sup> /630 <sup>(2)</sup> | 630 <sup>(2)</sup> /630 <sup>(2)</sup> |
| Operational power in AC-23 A (kW) <sup>(3)</sup>                                                                              |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| At 690 VAC without pre-break AC                                                                                               |                      | 160                | 220                | 250                | 400                                    | 500                                    | 500                                    | 630                                    |
| Reactive power (kvar)                                                                                                         |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| At 690 VAC (kvar)                                                                                                             |                      | 160                | 190                | 250                | 325                                    | 400                                    | 400                                    | 450                                    |
| Fuse protected short-circuit withstand (kA rms prospective) at 690 VAC <sup>(4)</sup>                                         |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| Prospective short-circuit current (kA rms)                                                                                    |                      | 50                 | 50                 | 50                 | 50                                     | 50                                     | 50                                     | 50                                     |
| Associated fuse rating (A)                                                                                                    |                      | 200                | 250                | 315                | 400                                    | 500                                    | 630                                    | 630                                    |
| Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s at 690 VAC |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| Rated short-time withstand current 0.3s. $I_{cw}$ (kA rms)                                                                    |                      | 15                 | 15                 | 15                 | 15                                     | 15                                     | 15                                     | 28                                     |
| Short-circuit capacity (without protection)                                                                                   |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| Rated short-time withstand current 1s. $I_{cw}$ (kA rms)                                                                      |                      | 8                  | 8                  | 8                  | 11                                     | 11                                     | 11                                     | 20                                     |
| Rated short-circuit making capacity without fuses $I_{cm}$ (kA peak)                                                          |                      | 22                 | 22                 | 22                 | 22                                     | 22                                     | 22                                     | 40                                     |
| Connection                                                                                                                    |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| Maximum Cu cable cross-section (mm <sup>2</sup> )                                                                             |                      | 70                 | 70                 | 70                 | 185                                    | 240                                    | 2 x 150                                | 2 x 185                                |
| Minimum Cu busbar cross-section (mm <sup>2</sup> )                                                                            |                      |                    |                    |                    |                                        |                                        | 2 x 30 x 5                             | 2 x 40 x 5                             |
| Maximum Cu cable cross-section (mm <sup>2</sup> )                                                                             |                      | 95                 | 95                 | 95                 | 240                                    | 240                                    | 2 x 300                                | 2 x 300                                |
| Maximum Cu busbar width (mm)                                                                                                  |                      | 32                 | 32                 | 32                 | 40                                     | 40                                     | 63                                     | 63                                     |
| Tightening torque min/max (Nm)                                                                                                |                      | 20/-               | 20/-               | 20/-               | 20/-                                   | 20/-                                   | 20/-                                   | 40/45                                  |
| Mechanical characteristics                                                                                                    |                      |                    |                    |                    |                                        |                                        |                                        |                                        |
| Durability (number of operating cycles)                                                                                       |                      | 10000              | 10000              | 10000              | 5000                                   | 5000                                   | 5000                                   | 4000                                   |
| Operating effort (Nm)                                                                                                         |                      | 10                 | 10                 | 10                 | 14.5                                   | 14.5                                   | 14.5                                   | 48                                     |
| Weight of a 3 pole device (kg)                                                                                                |                      | 2                  | 2                  | 2                  | 3.5                                    | 3.5                                    | 3.5                                    | 8                                      |
| Weight of a 4 pole device (kg)                                                                                                |                      | 2                  | 2                  | 2                  | 4                                      | 4                                      | 4                                      | 10                                     |

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

(2) With terminal shrouds or phase barrier.

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

(6) For a rated operational voltage  $U_e$  = 690 VAC.

# **SIRCO AC** characteristics according to IEC 60947-3

## 800 to 4000 A

| Thermal current $I_{th}$ at 40°C               | 800 A | 1000A | CD 1250 A | 1250 A | 1600 A | 2000 A | 4000 A |
|------------------------------------------------|-------|-------|-----------|--------|--------|--------|--------|
| Rated insulation voltage $U_i$ (V)             | 1000  | 1000  | 1000      | 1000   | 1000   | 1000   | 1000   |
| Rated impulse withstand voltage $U_{imp}$ (kV) | 12    | 12    | 12        | 12     | 12     | 12     | 12     |

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

| Rated voltage | Utilisation category | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> | A/B <sup>(1)</sup> |
|---------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 500 VAC       | AC-20 A / AC-20 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1600/1600          | 2000/2000          | 4000/4000          |
| 500 VAC       | AC-21 A / AC-21 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1600/1600          | 2000/2000          | -/3200             |
| 500 VAC       | AC-22 A / AC-22 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1600/1600          | 2000/2000          | -                  |
| 500 VAC       | AC-23 A / AC-23 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1250/1250          | 1600/1600          | -                  |
| 690 VAC       | AC-20 A / AC-20 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1600/1600          | 2000/2000          | 4000/4000          |
| 690 VAC       | AC-21 A / AC-21 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1600/1600          | 2000/2000          | -/3200             |
| 690 VAC       | AC-22 A / AC-22 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1600/1600          | 2000/2000          | -/-                |
| 690 VAC       | AC-23 A / AC-23 B    | 800/800            | 1000/1000          | 1250/1250          | 1250/1250          | 1250/1250          | 1600/1600          | -/-                |

### Operational power in AC-23 A (kW) <sup>(3)</sup>

|                                 |     |     |   |   |   |   |   |
|---------------------------------|-----|-----|---|---|---|---|---|
| At 690 VAC without pre-break AC | 900 | 900 | - | - | - | - | - |
|---------------------------------|-----|-----|---|---|---|---|---|

### Reactive power (kvar)

|                   |     |     |     |     |   |   |   |
|-------------------|-----|-----|-----|-----|---|---|---|
| At 690 VAC (kvar) | 550 | 750 | 950 | 950 | - | - | - |
|-------------------|-----|-----|-----|-----|---|---|---|

### Fuse protected short-circuit withstand (kA rms prospective) at 690 VAC<sup>(4)</sup>

|                                            |     |     |         |      |         |   |   |
|--------------------------------------------|-----|-----|---------|------|---------|---|---|
| Prospective short-circuit current (kA rms) | 50  | 50  | 50      | 50   | 50      | - | - |
| Associated fuse rating (A)                 | 800 | 800 | 2 x 500 | 1250 | 2 x 800 | - | - |

### Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s at 690 VAC

|                                                            |    |    |    |    |    |    |    |
|------------------------------------------------------------|----|----|----|----|----|----|----|
| Rated short-time withstand current 0.3s. $I_{cw}$ (kA rms) | 28 | 55 | 55 | 53 | 53 | 53 | 53 |
|------------------------------------------------------------|----|----|----|----|----|----|----|

### Short-circuit capacity (without protection) at 690 VDC

|                                                                                  |    |    |    |    |    |    |    |
|----------------------------------------------------------------------------------|----|----|----|----|----|----|----|
| Rated short-time withstand current 1s. $I_{cw}$ (kA rms)                         | 20 | 30 | 30 | 35 | 35 | 35 | 35 |
| Rated short-circuit making capacity without fuses $I_{cm}$ (prospective kA peak) | 40 | 80 | 80 | 75 | 75 | 75 | 75 |

### Connection

|                                       |            |            |            |            |            |             |             |
|---------------------------------------|------------|------------|------------|------------|------------|-------------|-------------|
| Maximum Cu cable cross-section (mm²)  | 2 x 185    | 2 x 240    |            |            |            |             |             |
| Minimum Cu busbar cross-section (mm²) | 2 x 40 x 5 | 2 x 50 x 5 | 2 x 60 x 5 | 2 x 60 x 5 | 2 x 80 x 5 | 3 x 100 x 5 | 1 x 100 x 5 |
| Maximum Cu cable cross-section (mm²)  | 2 x 300    | 4 x 185    | 4 x 185    | 4 x 185    | 6 x 185    |             |             |
| Maximum Cu busbar width (mm)          | 63         | 63         | 63         | 100        | 100        | 100         |             |
| Tightening torque min/max (Nm)        | 40/45      | 40/45      | 40/45      | 40         | 40         | 40          | 40          |

### Mechanical characteristics

|                                         |      |      |      |      |      |      |      |
|-----------------------------------------|------|------|------|------|------|------|------|
| Durability (number of operating cycles) | 4000 | 4000 | 3000 | 4000 | 4000 | 3000 | 2000 |
| Operating effort (Nm)                   | 48   | 48   | 48   | 55   | 55   | 75   | 100  |
| Weight of a 3 pole device (kg)          | 8    | 8    | 8    | 12   | 12   | 22   | 45   |
| Weight of a 4 pole device (kg)          | 10   | 10   | 10   | 15   | 15   | 25   | 50   |

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

(2) With terminal shrouds or phase barrier.

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

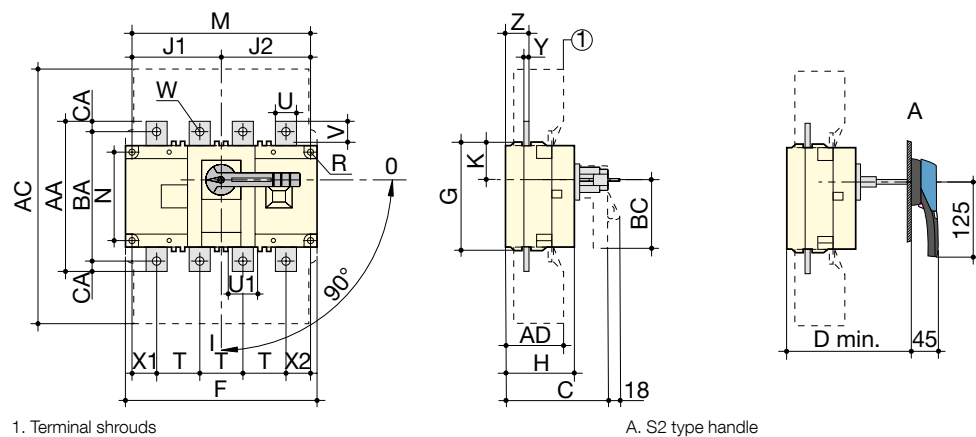
(6) For a rated operational voltage  $U_e = 690$  VAC.

## Dimensions - Front operation

SIRCO 125 to 630 A and SIRCO AC 200 to CD 630 A - B3 to B5

Direct front operation

External front operation



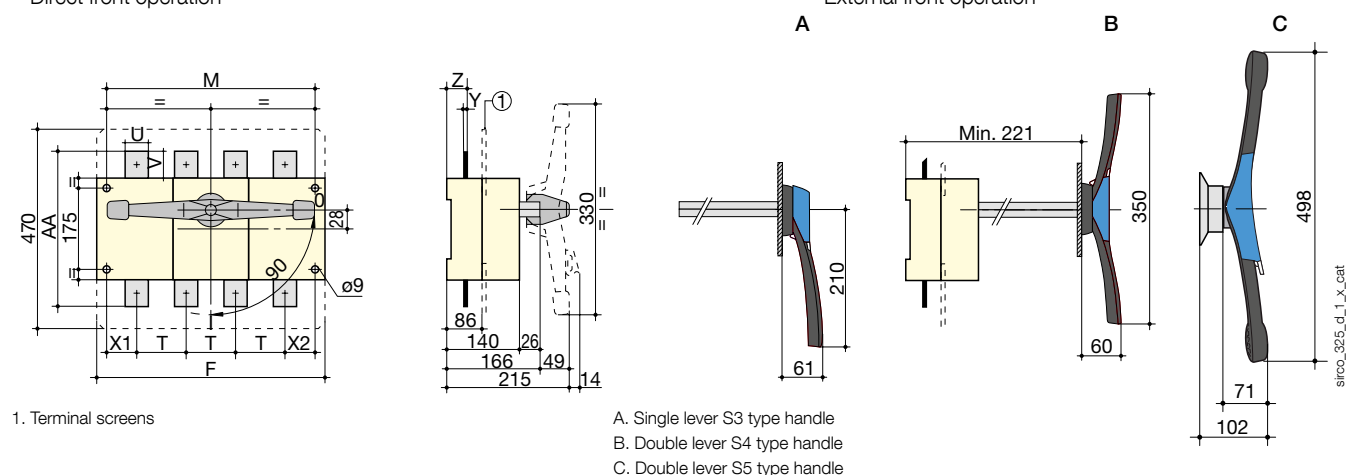
sirco\_198\_L1\_x\_cat

| Rating (A) / Frame size |                | Overall dimensions |       | Terminal shrouds |    | Switch body |       |     |     |        |        |     |      |     |       | Switch mounting |     | Connection |    |    |      |      |    |        |        |      |     |      |     |     |    |
|-------------------------|----------------|--------------------|-------|------------------|----|-------------|-------|-----|-----|--------|--------|-----|------|-----|-------|-----------------|-----|------------|----|----|------|------|----|--------|--------|------|-----|------|-----|-----|----|
| SIRCO                   | SIRCO AC       | C                  | D min | AC               | AD | F 3p.       | F 4p. | G   | H   | J1 3p. | J1 4p. | J2  | K    | BC  | M 3p. | M 4p.           | N   | R          | T  | U  | U1   | V    | W  | X1 3p. | X1 4p. | X2   | Y   | Z    | AA  | BA  | CA |
| 125...160 / B3          |                | 115                | 125   | 235              | 50 | 140         | 170   | 93  | 65  | 45     | 75     | 75  | 31.5 | 80  | 120   | 150             | 65  | 5.5        | 36 | 20 | 20.5 | 25   | 9  | 28     | 22     | 20   | 3.5 | 20.5 | 135 | 115 | 10 |
| 200...250 / B4          | 200...250 / B4 |                    |       | 280              | 60 | 180         | 230   | 108 | 75  | 55     | 105    | 105 | 34   | 115 | 160   | 210             | 80  | 5.5        | 50 | 20 | 25.5 | 21.5 | 11 | 33     | 33     | 27   | 3.5 | 22.5 | 160 | 130 | 15 |
| 315...400 / B5          | 400...500 / B5 | 160                | 165   | 401              | 89 | 230         | 290   | 170 | 110 | 75     | 135    | 135 | 55   | 115 | 210   | 270             | 140 | 7          | 65 | 32 | 45.5 | 29   | 11 | 42.5   | 37.5   | 37.5 | 5   | 36   | 235 | 205 | 15 |
| 500 / B5                | -              |                    |       |                  |    |             |       |     |     |        |        |     |      |     |       |                 |     |            |    |    |      |      |    |        |        |      |     |      |     |     |    |
| 630 / B5                | CD 630 / B5    |                    |       |                  |    |             |       |     |     |        |        |     |      |     |       |                 |     |            |    | 45 |      | 41.5 | 13 |        |        |      |     |      | 260 | 220 | 20 |

SIRCO 800 to 1800 A and SIRCO AC 630 to 1600 A - B6 to B7

Direct front operation

External front operation

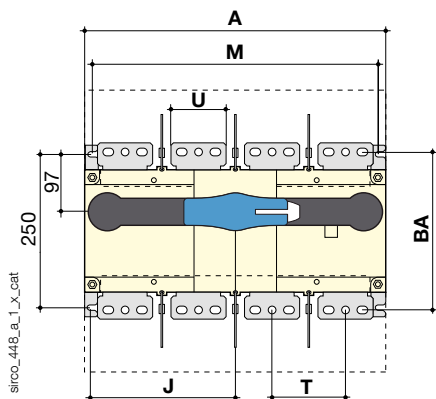


sirco\_325\_d\_1\_x\_cat

| Rating (A) / Frame size |                    | Switch body |       | Switch mounting |       | Connection |    |      |   |      |      |      |     |  |  |
|-------------------------|--------------------|-------------|-------|-----------------|-------|------------|----|------|---|------|------|------|-----|--|--|
| SIRCO                   | SIRCO AC           | F 3p.       | F 4p. | M 3p.           | M 4p. | T          | U  | V    | Y | X1   | X2   | Z    | AA  |  |  |
| 800 ... 1000 / B6       | 630 ... 1000 / B6  | 280         | 360   | 255             | 335   | 80         | 50 | 60.5 | 7 | 47.5 | 47.5 | 46.5 | 321 |  |  |
| CD 1250 / B6            | CD 1250 / B6       |             |       |                 |       |            | 60 | 65   |   |      |      |      | 330 |  |  |
| 1250 ... 1800 / B7      | 1250 ... 1600 / B7 | 372         | 492   | 347             | 467   | 120        | 90 | 44   | 8 | 53.5 | 53.5 | 47.5 | 288 |  |  |

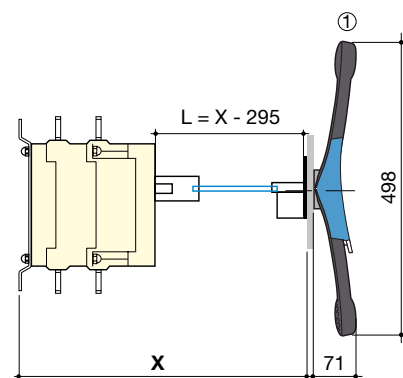
## SIRCO 2000 to 3200 A and SIRCO AC 2000 A - B8

Direct front operation



1. Double lever S5 type handle

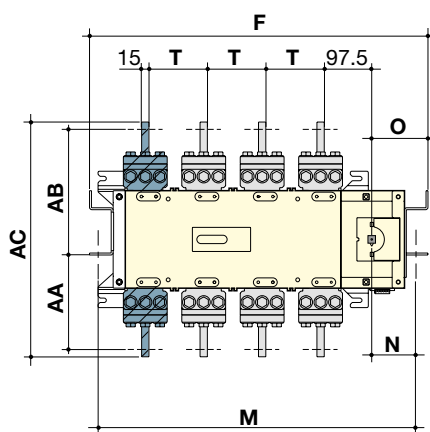
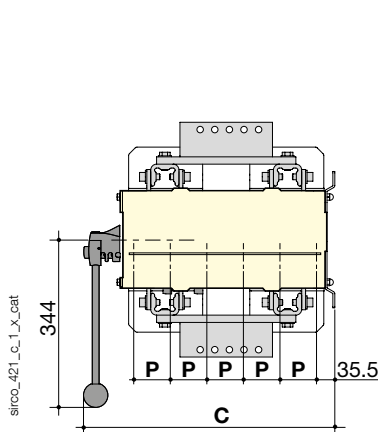
External front operation



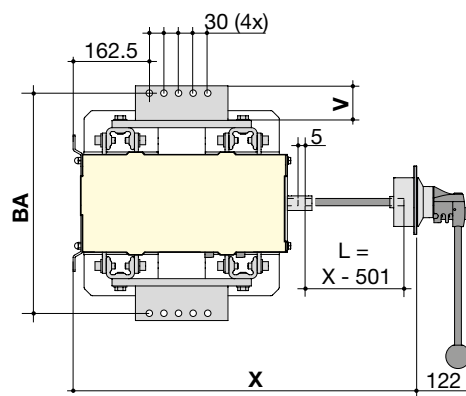
| Rating (A) / Frame size |           | Overall dimensions |       | Switch body |       | Switch mounting |       | Connection |    |   |     |
|-------------------------|-----------|--------------------|-------|-------------|-------|-----------------|-------|------------|----|---|-----|
| SIRCO                   | SIRCO AC  | A 3p.              | A 4p. | J 3p.       | J 4p. | M 3p.           | M 4p. | T          | U  | Y | BA  |
| 2000 ... 3200 / B8      | 2000 / B8 | 372                | 492   | 173.5       | 233.5 | 347             | 367   | 120        | 90 | 8 | 258 |

## SIRCO 4000 to 5000 A and SIRCO AC 4000 A - B9

Direct front operation



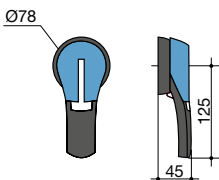
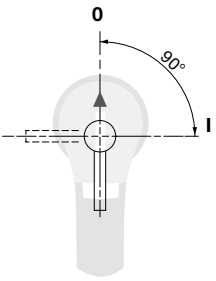
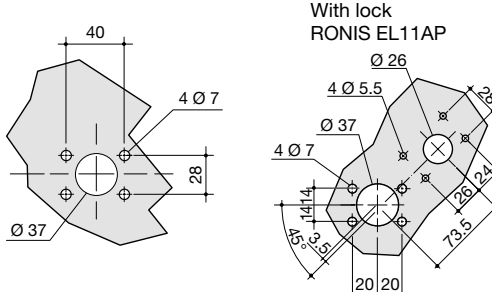
External front operation

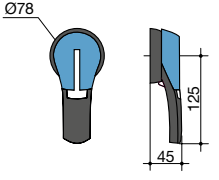
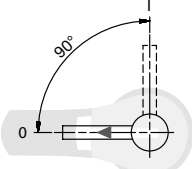
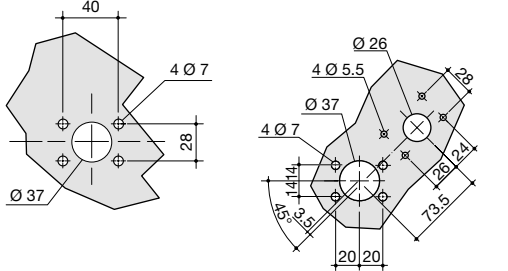


| Rating (A) / Frame size |           | Overall dimensions | Switch body |       | Switch mounting |       |    |       |    | Connection |    |     |     |     |     |
|-------------------------|-----------|--------------------|-------------|-------|-----------------|-------|----|-------|----|------------|----|-----|-----|-----|-----|
| SIRCO                   | SIRCO AC  | C                  | F 3p.       | F 4p. | M 3p.           | M 4p. | N  | O     | P  | T          | V  | AA  | AB  | AC  | BA  |
| 4000 ... 5000 / B9      | 4000 / B9 | 514                | 695         | 695   | 660             | 660   | 98 | 115.5 | 75 | 120        | 86 | 160 | 292 | 482 | 452 |

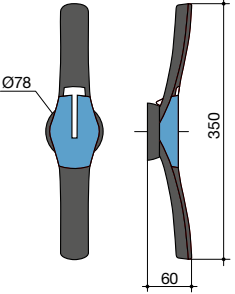
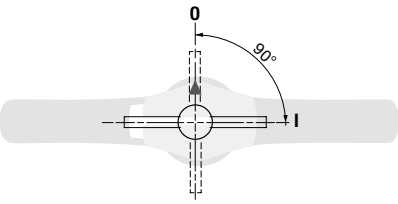
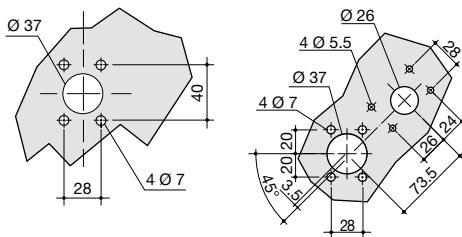
## Dimensions for external handles

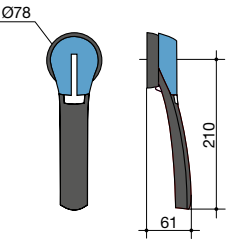
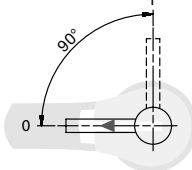
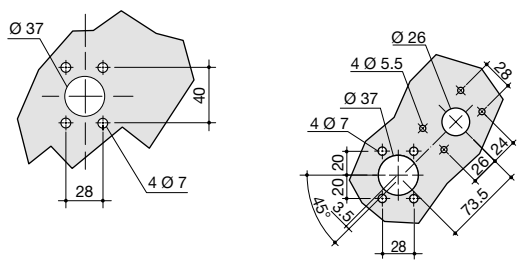
### B3 to B5

| Handle type                                                                                         | Front operation<br>Direction of operation                                         | Door drilling                                                                      |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>S2 type</b><br> |  |  |

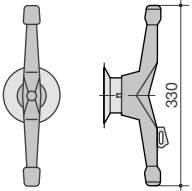
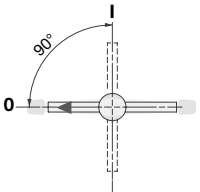
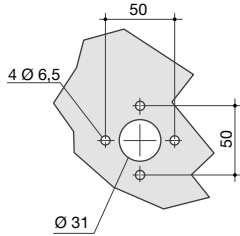
| Handle type                                                                                          | Side operation<br>Direction of operation                                                                          | Door drilling                                                                       |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>S2 type</b><br> | <b>Right side operation</b><br> |  |

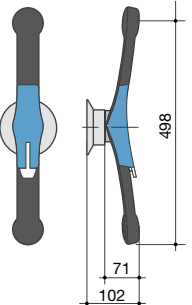
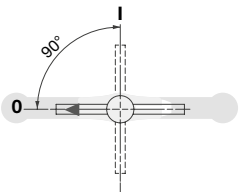
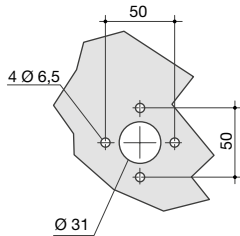
### B6 - B7

| Handle type                                                                                           | Front operation<br>Direction of operation                                           | Door drilling                                                                        |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>S4 type</b><br> |  |  |

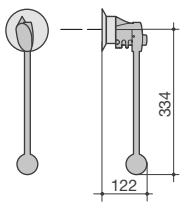
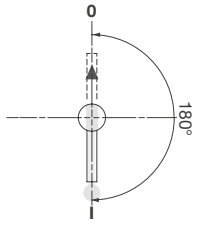
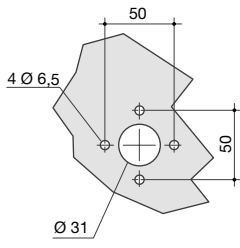
| Handle type                                                                                           | Side operation<br>Direction of operation                                                                           | Door drilling                                                                        |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>S3 type</b><br> | <b>Right side operation</b><br> |  |

## B7 - B8

| Handle type                                                                                                                         | Front operation<br>Direction of operation                                         | Door drilling                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>V2 Type</b><br><br> <p>poign_065_a_1_gb_cat</p> |  |  |

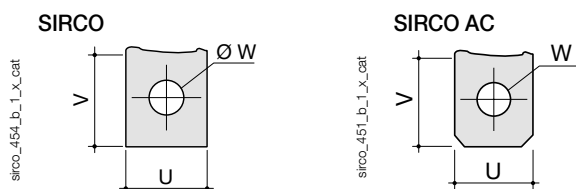
| Handle type                                                                                                                                            | Front operation<br>Direction of operation                                          | Door drilling                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>S5 type with V Escutcheon</b><br><br> <p>poign_020_a_1_gb_cat</p> |  |  |

## B9

| Handle type                                                                                                                           | Front operation<br>Direction of operation                                           | Door drilling                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>V0 type</b><br><br> <p>poign_009_a_1_gb_cat</p> |  |  |

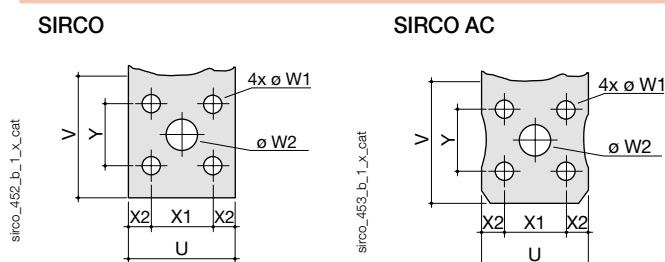
## Connection terminal

SIRCO 125 to 630 A and SIRCO AC 200 to CD 630 A



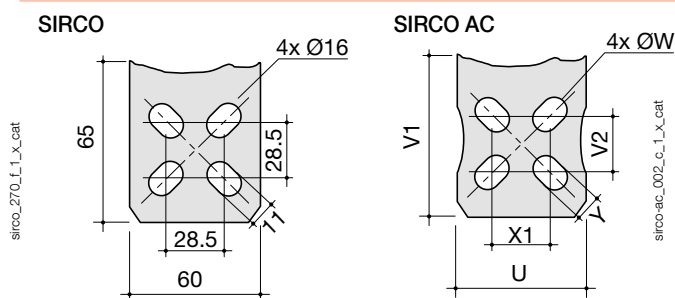
| Rating (A)  |             | U  | V    | W  |
|-------------|-------------|----|------|----|
| SIRCO       | SIRCO AC    |    |      |    |
| 125 ... 160 |             | 20 | 25   | 9  |
| 200 ... 250 | 200 ... 250 | 25 | 21.5 | 11 |
| 315 ... 400 | 315         | 35 |      |    |
| 500         | 400 ... 500 | 32 | 29   |    |
| 630         | CD 630      | 45 | 41.5 | 13 |

SIRCO 800 to 1000 A and SIRCO AC 630 to 1000 A



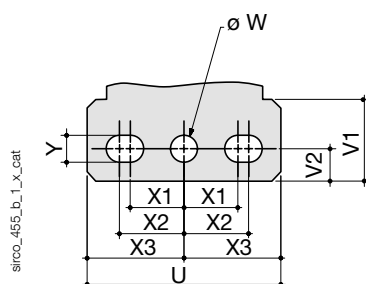
| Rating (A)   |              | U  | V    | W1 | W2 | X1 | X2  | Y  |
|--------------|--------------|----|------|----|----|----|-----|----|
| SIRCO        | SIRCO AC     |    |      |    |    |    |     |    |
| 800 ... 1000 | 630 ... 1000 | 50 | 60.5 | 9  | 15 | 33 | 8.5 | 33 |

SIRCO and SIRCO AC CD 1250 A



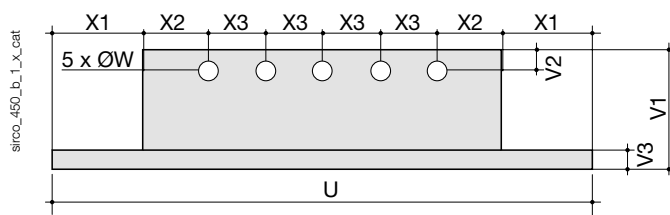
| Rating (A) |           | U  | V1 | V2   | W  | X1   | Y  |
|------------|-----------|----|----|------|----|------|----|
| SIRCO      | SIRCO AC  |    |    |      |    |      |    |
| CD 1250 A  | CD 1250 A | 60 | 65 | 28.5 | 16 | 28.5 | 11 |

## SIRCO 1250 to 3200 A and SIRCO AC 1250 to 1600 A



| Rating (A)    |               | U  | V1   | V2 | W    | X1 | X2 | X3 | Y    |
|---------------|---------------|----|------|----|------|----|----|----|------|
| SIRCO         | SIRCO AC      |    |      |    |      |    |    |    |      |
| 1250 ... 3200 | 1250 ... 1600 | 90 | 35.8 | 15 | 12.5 | 25 | 30 | 45 | 12.5 |

## SIRCO 4000 to 5000 A and SIRCO AC 4000 A



| Rating (A)    |          | U   | W  | X1 | X2 | X3 | V1 | V2 | V3 |
|---------------|----------|-----|----|----|----|----|----|----|----|
| SIRCO         | SIRCO AC |     |    |    |    |    |    |    |    |
| 4000 ... 5000 | 4000     | 286 | 13 | 48 | 35 | 30 | 86 | 15 | 15 |