



# FUSERBLOC

Fuse combination switches  
for industrial fuses up to 1250 A

Fuse protection



FUSERBLOC  
630 to 1250 A



FUSERBLOC  
32 to 400 A



FUSERBLOC  
20 to 32 A

## Function

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

## Advantages

### Improved safety

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

### High breaking capacity

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

### Specific functionalities for simplified use

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

## Customised solutions



Multipolar FUSERBLOC



Centred operation

## The solution for

- > Motor load break
- > Protection of industrial processes



## Strong points

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

## A complete range

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

## Conformity to standards

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



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



LOVAG

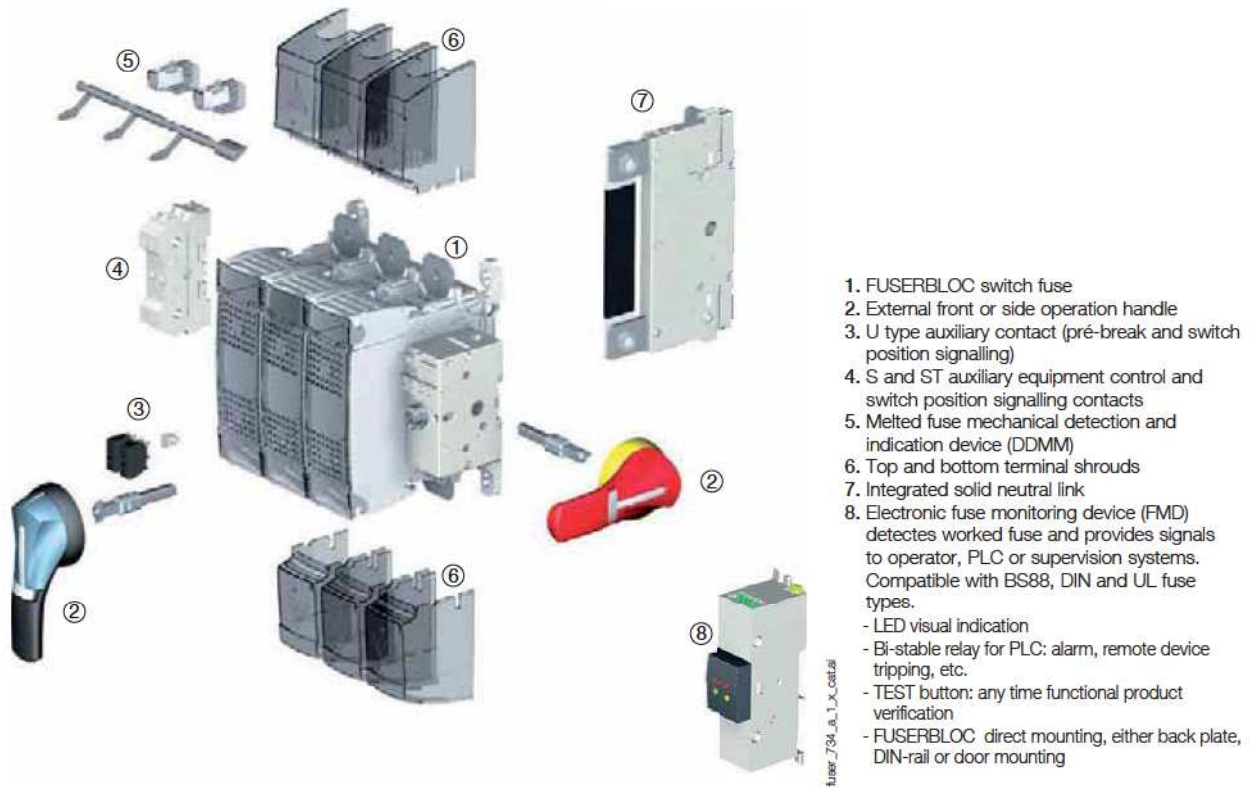


Lloyd's Register

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

## What you need to know

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



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



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



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



# FUSERBLOC

Fuse combination switches  
for industrial fuses up to 1250 A

## References

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

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

(1) Standard.

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

(3) Top/bottom.

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



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

| Rating (A)<br>Fuse size<br>Frame size | Number of<br>poles | Reference<br>Switch<br>I - 0 - TEST | Reference<br>Changeover<br>I - 0 - II | External<br>front<br>handle I - 0 | TEST<br>External<br>front handle<br>I - 0 - TEST | External<br>right side<br>handle I - 0 | Changeover<br>external<br>front handle<br>I - 0 - II | Shaft<br>extensions<br>for handle | Terminal<br>shrouds <sup>(5)</sup> | U type<br>A/C <sup>(6)</sup> | Integrated<br>solid<br>neutral link |
|---------------------------------------|--------------------|-------------------------------------|---------------------------------------|-----------------------------------|--------------------------------------------------|----------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------|------------------------------|-------------------------------------|
| CD 200 A<br>A3-A4 (5)<br>13 A         | 2 P                | 3841 2019                           |                                       |                                   |                                                  |                                        |                                                      |                                   | 2 P<br>3998 2016                   |                              | 3829 9320                           |
|                                       | 3 P                | 3841 3019                           | 3880 3019                             |                                   |                                                  |                                        |                                                      |                                   | 3 P<br>3998 3016                   |                              |                                     |
|                                       | 4 P                | 3841 6019                           | 3880 6019                             |                                   |                                                  |                                        |                                                      |                                   | 4 P<br>3998 4016                   |                              |                                     |
| 200 A<br>B1-B2<br>15                  | 2 P                | 3841 2021                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              | 3829 9325                           |
|                                       | 3 P                | 3841 3021                           | 3880 3021                             |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
|                                       | 4 P                | 3841 6021                           | 3880 6021                             |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
| 250 A<br>B1-B2-B3<br>15               | 2 P                | 3841 2024                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              | 3829 9325                           |
|                                       | 3 P                | 3841 3024                           | 3880 3024                             |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
|                                       | 4 P                | 3841 6024                           | 3880 6024                             |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
| 315 A<br>B1-B2-B3<br>16               | 2 P                | 3841 2031                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              | 3829 9339                           |
|                                       | 3 P                | 3841 3031                           | 3880 3032 <sup>(6)</sup>              |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
|                                       | 4 P                | 3841 6031                           | 3880 6032 <sup>(6)</sup>              |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
| 400 A<br>B1-B2-<br>B3-B4<br>16        | 2 P                | 3841 2038                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              | 3829 9339                           |
|                                       | 3 P                | 3841 3038                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
|                                       | 4 P                | 3841 6038                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
| 630 A<br>C1-C2<br>17                  | 2 P                | 3821 2063                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              | 3829 9308                           |
|                                       | 3 P                | 3821 3063                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
|                                       | 4 P                | 3821 6063                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
| 800 A<br>C1-C2-C3<br>17               | 2 P                | 3821 2080                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              | 3829 9312                           |
|                                       | 3 P                | 3821 3080                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
|                                       | 4 P                | 3821 6080                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
| 1250 A<br>D1<br>18                    | 2 P                | 3821 2120                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              | 3829 9312                           |
|                                       | 3 P                | 3821 3120                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |
|                                       | 4 P                | 3821 6120                           |                                       |                                   |                                                  |                                        |                                                      |                                   |                                    |                              |                                     |

(1) Standard.

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

(3) Top/bottom.

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

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

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

# FUSERBLOC

Fuse combination switches  
for industrial fuses up to 1250 A

## References (continued)

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

| Rating (A)<br>Fuse size<br>Frame size   | Number of<br>poles        | Reference<br>Side direct<br>operation | Reference<br>Direct front<br>operation | Side direct<br>handle     | Direct front<br>handle    | Auxiliary<br>contacts                                                                                                                 | Terminal<br>shrouds <sup>(3)</sup>                                                                                                    | Cage<br>terminals                                                                                                                     | Handle key<br>interlocking<br>accessories <sup>(2)</sup> |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|-----------------------------------------|---------------------------|---------------------------------------|----------------------------------------|---------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------|--|------------------|--|------------------|------------------|------------------|
| CD 20 A<br>A1<br>0                      | 3 P                       |                                       | 3641 <b>3000</b>                       |                           | Black<br>3629 <b>4012</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0001<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0002<sup>(1)</sup></b> | IP2x<br>as standard                                                                                                                   | Standard                                                                                                                              |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 3 P + switched<br>neutral |                                       | 3641 <b>4000</b>                       |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 3 P + solid<br>neutral    |                                       | 3641 <b>5000</b>                       |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
| CD 32 A<br>A1<br>0                      | 3 P                       |                                       | 3641 <b>3001</b>                       |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           | Black<br>3629 <b>4012</b> | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0001<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0002<sup>(1)</sup></b> | IP2x<br>as standard                                                                                                                   | Standard                                                                                                                              |                  |  |                  |  |                  |                  |                  |
|                                         | 3 P + switched<br>neutral |                                       | 3641 <b>4001</b>                       |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 3 P + solid<br>neutral    |                                       | 3641 <b>5001</b>                       |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
| 32 A<br>A1<br>1                         | 2 P                       | 3625 <b>2003</b>                      | consult us                             | Black<br>3629 <b>7900</b> |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       | 3629 <b>7903</b>                                         |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 3 P                       | 3625 <b>3003</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 4 P                       | 3625 <b>6003</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
| 63 A<br>A2-A3<br>2                      | 2 P                       | 3625 <b>2006</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          | Black<br>3629 <b>7900</b> |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       | 3629 <b>7903</b> |  |                  |  |                  |                  |                  |
|                                         | 3 P                       | 3625 <b>3006</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 4 P                       | 3625 <b>6006</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
| 100 A<br>A4 <sup>(4)</sup><br>3         | 2 P                       | 3625 <b>2010</b>                      | consult us                             | Black<br>3629 <b>7901</b> |                           |                                                                                                                                       | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  | 3629 <b>7913</b> |  |                  |                  |                  |
|                                         | 3 P                       | 3625 <b>3010</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 4 P                       | 3625 <b>6010</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
| CD 160 A<br>A3-A4 <sup>(4)</sup><br>3 A | 2 P                       | 3625 <b>2014</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          | Black<br>3629 <b>7901</b> |                           |                                                                                                                                       | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                                                                                                                       |                  |  |                  |  | 3629 <b>7913</b> |                  |                  |
|                                         | 3 P                       | 3625 <b>3014</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 4 P                       | 3625 <b>6014</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
| 160 A<br>A4<br>4                        | 2 P                       | 3625 <b>2015</b>                      | consult us                             | Black<br>3629 <b>7901</b> |                           |                                                                                                                                       |                                                                                                                                       | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  | 3629 <b>7913</b> |                  |
|                                         | 3 P                       | 3625 <b>3015</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 4 P                       | 3625 <b>6015</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
| 160 A<br>B1-B2<br>4                     | 2 P                       | 3625 <b>2016</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          | Black<br>3629 <b>7901</b> |                           |                                                                                                                                       |                                                                                                                                       | 1 contact<br>NO/NC<br>A-type<br>3999 <b>0021<sup>(1)</sup></b><br><br>2 contacts<br>NO/NC<br>A-type<br>3999 <b>0022<sup>(1)</sup></b> |                  |  |                  |  |                  |                  | 3629 <b>7913</b> |
|                                         | 3 P                       | 3625 <b>3016</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |
|                                         | 4 P                       | 3625 <b>6016</b>                      | consult us                             |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                                                          |                           |                           |                                                                                                                                       |                                                                                                                                       |                                                                                                                                       |                  |  |                  |  |                  |                  |                  |

(1) Max. 2 contacts.

(2) Lock not included.

(3) Top/bottom.

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

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

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

(1) Max. 2 contacts.

(2) Lock not included.

(3) Top/bottom.

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

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

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

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

(2) Lock not included.

(3) Top/bottom.

# FUSERBLOC

Fuse combination switches  
for industrial fuses up to 1250 A

## References

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

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

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

(2) Top/bottom.

(3) Maximum 4 contacts.



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

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

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

(2) Top/bottom.

(3) Maximum 4 contacts.

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



## References (continued)

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

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

(1) Direct front operation.

(2) Standard.

(3) Maximum 2 contacts.

(4) Top or bottom.

(5) Direct right side operation.

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

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

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

(1) Standard.

(2) Maximum 2 contacts.

(3) Top/bottom.

(4) Direct right side operation.

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

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

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

(1) Direct front operation.

(2) Standard.

(3) Top/bottom.

(4) Maximum 8 contacts.

## Accessories

### Direct operation handle

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

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

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



### External front operation handle

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

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

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

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



### External right side operation handle

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

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





### External front operation handle with metal padlocking lever

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

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



### S-type handle adapter

#### Use

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

#### Dimensions

Adds 12 mm to the depth of the handle.

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

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



### Alternative S-type handle cover colours

#### Use

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

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



### Flat mounting kit

#### Use

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

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



### Handle for flat mounting kit

#### Padlockable handle in position 0

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

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

(2) Defeatable handle in position I.





## Accessories (continued)

### Front operation shaft support accessory

#### Use

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

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



1459\_988\_a\_2\_cat

### Shaft guide for external operation

#### Use

To guide the shaft extension into the external handle.

This accessory enables the handle to engage the extension shaft with a misalignment of up to 15 mm. Required for a shaft lengths over 320 mm.

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



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### Shaft for external front operation handle

#### Use

Standard lengths:

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

Other lengths: consult us.

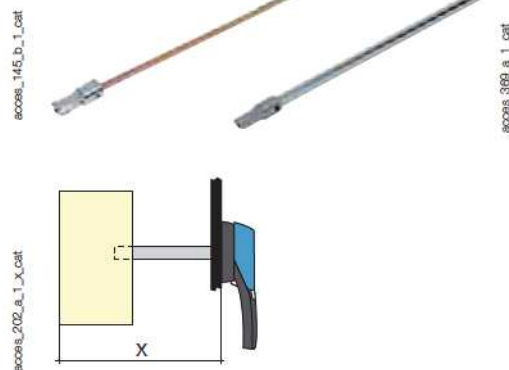
| Rating (A)      | Frame size | Shaft length (mm) | Reference                |
|-----------------|------------|-------------------|--------------------------|
| CD 20 ... CD 32 | 0          | 200               | 1401 0520                |
| CD 20 ... CD 32 | 0          | 320               | 1401 0532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

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

(2) Use the front operation shaft support accessory.

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1459\_988\_a\_1\_cat



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

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

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

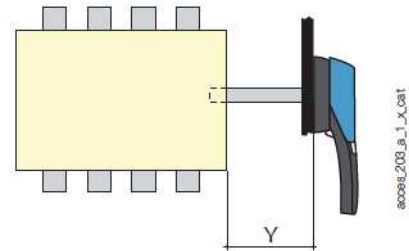
| Rating (A)        | CD 25 ... CD 32 | 50          | 63          | 100 ... 160 | 160         | 250 ... 400 | 630 ... 800 | 800 ... 1250 |
|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Fuse size         | 10x38/14x51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

## Shaft extensions for external side operation

### Use

Standard lengths, 200 mm.

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



## Integrated solid neutral link

### Use

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

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

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



## Solid neutral module

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

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

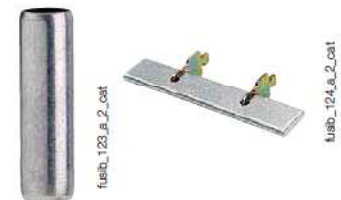


(1) For external front operation switches an adaptation kit 3999 0000 must be ordered in addition to the original product reference

## Solid links

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

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



## Accessories (continued)

### A-type auxiliary contacts

#### Use

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

#### Connection to the control circuit

By 6.35 mm fast-on terminal.

#### Electrical characteristics

30 000 operations.

#### References

##### NO / NC auxiliary contacts

| Rating (A)                | Frame size | Contact(s) | Reference                |
|---------------------------|------------|------------|--------------------------|
| CD 20 ... CD 32           | 0          | 1          | 3999 0001                |
| CD 20 ... CD 32           | 0          | 2          | 3999 0002                |
| 32 ... 400 <sup>(1)</sup> | 1 ... 6    | 1          | 3999 0021 <sup>(2)</sup> |
| 32 ... 400 <sup>(1)</sup> | 1 ... 6    | 2          | 3999 0022 <sup>(2)</sup> |

(1) Side direct operation switch only.

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

#### Characteristics

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



access\_046\_a\_1\_cat



access\_047\_a\_2\_cat

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

#### Use

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

#### Connection to the control circuit

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

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

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

#### References

##### NO auxiliary contacts

| Rating (A)     | Frame size | Contact(s) | Reference <sup>(1)</sup> |
|----------------|------------|------------|--------------------------|
| CD 20 ... 1250 | 0 ... 18   | 1          | 3999 0701 <sup>(2)</sup> |

##### NC auxiliary contacts

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

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

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

##### Contact holder for additional auxiliary contacts

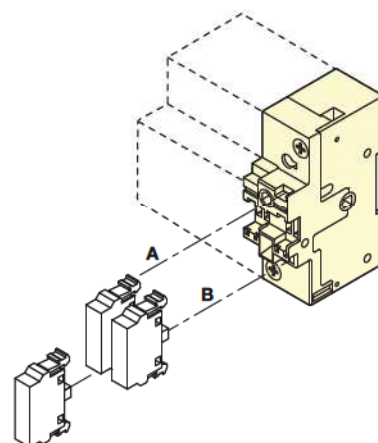
| Rating (A)      | Frame size | Contact(s)    | Reference |
|-----------------|------------|---------------|-----------|
| CD 20 ... CD 32 | 0          | 4 (2 x 2 max) | 3999 0710 |
| 32 ... 400      | 11 ... 16  | 4 (2 x 2 max) | 3999 0600 |

#### Characteristics

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



access\_056\_a\_1\_cat



access\_043\_a\_1\_x\_cat

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



## S and ST-type auxiliary contacts

### Use

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

### Electrical principle

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

### References

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

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

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

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

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

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

### Characteristics

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

### Connection

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

### Mechanical characteristics

30 000 operations.



acces\_061\_a\_2\_cat



acces\_063\_a\_1\_cat

### Important:

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

## Fuse cover interlocking

### Use

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

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

## Terminal shrouds

### Use

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

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

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



tuvar\_314\_a\_1\_cat

# FUSERBLOC

## Fuse combination switches

for industrial fuses up to 1250 A

## Accessories (continued)

### NFC and DIN worked fuse indication

#### Use

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

#### Electrical principle

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

#### References

| NO/NC type auxiliary contacts for 2 pole |            |         |                 |           |
|------------------------------------------|------------|---------|-----------------|-----------|
| Rating (A)                               | Frame size | Fuses   | Contact(s)      | Reference |
| 50                                       | 11         | 14 x 51 | 1 <sup>st</sup> | 3994 0405 |
| 100 ... 125                              | 13         | 22 x 58 | 1 <sup>st</sup> | 3994 0210 |
| 160                                      | 14         | 0       | 1 <sup>st</sup> | 3994 0216 |
| 250                                      | 15/16      | 1-2     | 1 <sup>st</sup> | 3994 0225 |
| 400 <sup>(1)</sup>                       | 16         | 2       | 1 <sup>st</sup> | 3894 0440 |
| 630                                      | 17         | 3       | 1 <sup>st</sup> | 3894 1206 |
| 800 ... 1250                             | 18         | 4       | 1 <sup>st</sup> | 3894 1212 |

| NO/NC type auxiliary contacts for 3 pole |            |         |                 |           |
|------------------------------------------|------------|---------|-----------------|-----------|
| Rating (A)                               | Frame size | Fuses   | Contact(s)      | Reference |
| CD 32                                    | 0          | 14 x 51 | 1 <sup>st</sup> | 3994 0303 |
| 50                                       | 11         | 14 x 51 | 1 <sup>st</sup> | 3994 0405 |
| 100 ... 125                              | 13         | 22 x 58 | 1 <sup>st</sup> | 3994 0310 |
| 160                                      | 14         | 0       | 1 <sup>st</sup> | 3994 0316 |
| 250                                      | 15/16      | 1-2     | 1 <sup>st</sup> | 3994 0325 |
| 400 <sup>(1)</sup>                       | 16         | 2       | 1 <sup>st</sup> | 3894 0440 |
| 630                                      | 17         | 3       | 1 <sup>st</sup> | 3894 1306 |
| 800 ... 1250                             | 18         | 4       | 1 <sup>st</sup> | 3894 1312 |
| 50 ... 250                               | 11         | -       | 2 <sup>nd</sup> | 3994 1901 |
| 400                                      | 16         | 2       | 2 <sup>nd</sup> | 3994 1902 |
| 630 ... 1250                             | 16         | -       | 2               | 3994 1901 |

| NO/NC type auxiliary contacts for 4 pole or 3 pole + neutral |            |         |                 |           |
|--------------------------------------------------------------|------------|---------|-----------------|-----------|
| Rating (A)                                                   | Frame size | Fuses   | Contact(s)      | Reference |
| 50                                                           | 11         | 14 x 51 | 1 <sup>st</sup> | 3994 0405 |
| 100 ... 125                                                  | 13         | 22 x 58 | 1 <sup>st</sup> | 3994 0410 |
| 160                                                          | 14         | 0       | 1 <sup>st</sup> | 3994 0416 |
| 250                                                          | 15/16      | 1-2     | 1 <sup>st</sup> | 3994 0425 |
| 400 <sup>(1)</sup>                                           | 16         | 2       | 1 <sup>st</sup> | 3894 0440 |
| 630                                                          | 17         | 3       | 1 <sup>st</sup> | 3894 1406 |
| 800 ... 1250                                                 | 18         | 4       | 1 <sup>st</sup> | 3894 1412 |
| 50 ... 250                                                   | 11         | -       | 2 <sup>nd</sup> | 3994 1901 |
| 400                                                          | 16         | 2       | 2 <sup>nd</sup> | 3994 1902 |
| 630 ... 1250                                                 | 16         | -       | 2               | 3994 1901 |

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

#### Characteristics

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

### Electronic fuse monitoring device (FMD)

#### Use

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

#### Principle

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

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

#### References

| For FUSERBLOC 63 to 1250A - size 000 to 4 |                         |           |
|-------------------------------------------|-------------------------|-----------|
| Nb of LEDs                                | Operating voltage Ph/Ph | Reference |
| 1 (FMD10)                                 | 120 - 260 VAC           | 3899 1120 |
| 1 (FMD10)                                 | 380 - 690 VAC           | 3899 1380 |
| 3 (FMD30)                                 | 120 - 260 VAC           | 3899 3120 |
| 3 (FMD30)                                 | 380 - 690 VAC           | 3899 3380 |
| Accessories                               |                         | Reference |
| Kit for connection accessories            | Standard                | 3819 9120 |
| Kit for connection accessories            | Door mounted            | 3829 9120 |

#### Relay characteristics

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

#### Connection to the control circuit

6.35 mm fast-on terminal.

#### Mechanical characteristics

30 000 operations.



DDMM for cylindrical fuses



DDMM for NH fuses



1 LED version (FMD10)



3 LED version (FMD30)

#### Important:

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



## Cage terminals

### Use

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

### References

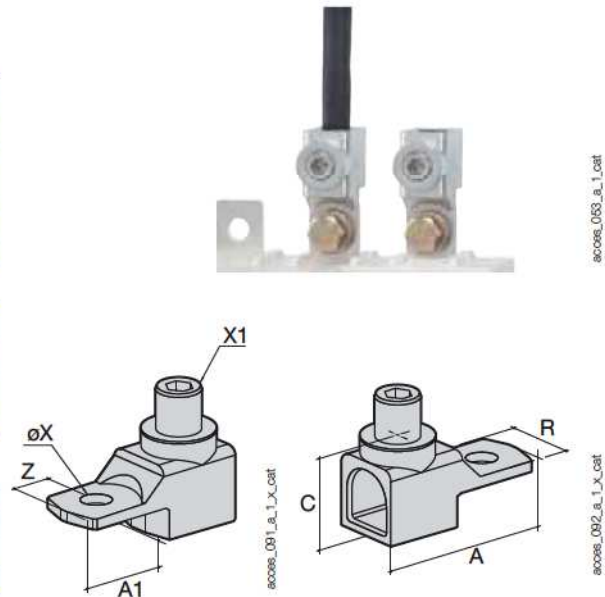
| Rating max (A) | Frame size | No. of poles | Reference  |
|----------------|------------|--------------|------------|
| CD 20 ... 63   | 0 ... 12   | 2 / 3 / 4 P  | integrated |
| 100 ... 160    | 13/14      | 3 P          | 5400 3016  |
| 100 ... 160    | 13/14      | 4 P          | 5400 4016  |
|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

### Connections

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

### Dimensions

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



## Handle key interlocking accessories

### Use

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

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

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

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

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

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

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

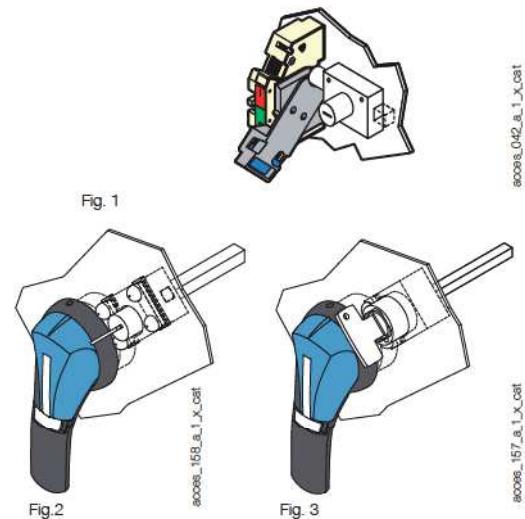
| Rating (A)     | Frame size | Operation      | Figure n° | Reference |
|----------------|------------|----------------|-----------|-----------|
| CD 20 ... 1250 | 0 ... 18   | external front | 3         | 1499 7702 |

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

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

### Locking using XOP (not supplied)

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



## Label holder

### Use

Recognisable self-adhesive label allowing identification of the devices.

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





## Characteristics according to IEC 60947-3

### 20 to 100 A

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

### Rated operational currents $I_b$ (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>                      |
|---------------|----------------------|--------------------|---------------------|--------------------|--------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------------|
| 400 VAC       | AC-22 A / AC-22 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100/100                                 |
| 400 VAC       | AC-23 A / AC-23 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100/100                                 |
| 690 VAC       | AC-22 A / AC-22 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100 <sup>(2)</sup> /100 <sup>(2)</sup>  |
| 690 VAC       | AC-23 A / AC-23 B    | 20/20              | 25/25               | 32/32              | 32/32              | 32/32                                | 50/50                                | 63/63                                | 100 <sup>(2)</sup> /100 <sup>(2)</sup>  |
| 220 VDC       | DC-20 A / DC-20 B    |                    |                     | -/32               |                    | 32/32                                | 50/50                                | 63/63                                | 100/100                                 |
| 220 VDC       | DC-21 A / DC-21 B    |                    | -/25 <sup>(4)</sup> |                    |                    | 32/32                                | 40/40                                | 40/40                                | 100/100                                 |
| 440 VDC       | DC-20 A / DC-20 B    |                    |                     |                    |                    | 32 <sup>(5)</sup> /32 <sup>(5)</sup> | 50 <sup>(5)</sup> /50 <sup>(5)</sup> | 63 <sup>(5)</sup> /63 <sup>(5)</sup> | 100 <sup>(5)</sup> /100 <sup>(5)</sup>  |
| 440 VDC       | DC-21 A / DC-21 B    |                    |                     |                    |                    | 32 <sup>(5)</sup> /32 <sup>(5)</sup> | 40 <sup>(5)</sup> /40 <sup>(5)</sup> | 40 <sup>(5)</sup> /40 <sup>(5)</sup> | 100 <sup>(5)</sup> / 100 <sup>(5)</sup> |

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

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

### Reactive power (kvar)

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

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

|                                                   |      |       |       |        |        |       |        |         |
|---------------------------------------------------|------|-------|-------|--------|--------|-------|--------|---------|
| Prospective short-circuit (kA rms) <sup>(5)</sup> | 80/- | -/100 | -/100 | 80/100 | 80/100 | -/100 | 80/100 | 80/100  |
| Associated fuse rating (A) <sup>(5)</sup>         | 20/- | -/25  | -/32  | 32/32  | 32/32  | -/50  | 63/63  | 100/100 |

### Short-circuit capacity

|                                                       |     |     |     |     |   |     |      |    |
|-------------------------------------------------------|-----|-----|-----|-----|---|-----|------|----|
| Rated peak withstand current (kA peak) <sup>(5)</sup> | 5.5 | 5.5 | 5.5 | 5.5 | 9 | 7.6 | 10.6 | 20 |
|-------------------------------------------------------|-----|-----|-----|-----|---|-----|------|----|

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

|                                       |            |           |           |            |            |           |           |              |
|---------------------------------------|------------|-----------|-----------|------------|------------|-----------|-----------|--------------|
| SOCOMECS BS88 - Standard max          | 6A10 0020  | 6012 0025 | 6012 0032 | 6A10 0032  | 6A10 0032  |           | 6A30 0063 | 6A40 0100    |
| SOCOMECS BS88 - Motor max             | 6A1M 0032  | 6013 0025 | 6013 0032 | 6A1M 0063  | 6A1M 0032  |           | 6A3M 0080 | 6A4M 0125    |
| SOCOMECS DIN - Distribution (gl - gG) |            |           |           |            |            | 6022 0050 | 6000 0063 | 6032 0100    |
| SOCOMECS DIN - Motor (aM)             |            |           |           |            |            | 6023 0050 | 6001 0063 | 6033 0100    |
| BUSSMANN - Standard max               | NITD 20    |           |           | NITD 32    | NITD 32    |           | BAO 63    | CEO 100      |
| BUSSMANN - Motor max                  | NITD 20M32 |           |           | NITD 32M63 | NITD 32M63 |           | BAO 63M80 | CEO 100M125  |
| LAWSON - Standard max                 | NIT 20     |           |           | NIT 32     | NIT 32     |           | TIS 63    | TCP 100      |
| LAWSON - Motor max                    | NIT 20M32  |           |           |            | NIT 20M32  |           | TIS 63M80 | CTFP 100M125 |
| GE - Standard max                     | NIT 20     |           |           | NET 32     | NET 32     |           | TIS 63    | TCP 100      |
| GE - Motor max                        | NIT 20M32  |           |           | NET 32M63  | NET 32M63  |           | TIS 63M80 | OCF 100M125  |

### Connection

|                                        |     |     |     |     |       |       |       |        |
|----------------------------------------|-----|-----|-----|-----|-------|-------|-------|--------|
| Minimum Cu cable cross-section (mm²)   | 2.5 | 2.5 | 2.5 | 2.5 | 6     | 6     | 10    | 25     |
| Maximum Cu cable cross-section (mm²)   | 16  | 16  | 16  | 16  | 25    | 25    | 25    | 95     |
| Maximum busbar width (mm)              |     |     |     |     |       |       |       | 20     |
| Min. / Max. tightening torque min (Nm) | 2/- | 2/- | 2/3 | 2   | 2.5/3 | 2.5/3 | 2.5/3 | 8.3/13 |

### Mechanical characteristics

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

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

(2) With terminal shrouds or terminal screen.

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

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

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

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

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

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

## 125 to 200 A

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

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

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

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

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

### Reactive power (kvar)

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

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

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

### Short-circuit capacity

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

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

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

### Connection

|                                      |        |        |        |        |        |        |        |       |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|-------|
| Minimum Cu cable cross-section (mm²) | 35     | 35     | 35     | 35     | 50     | 50     | 35     | 95    |
| Maximum Cu cable cross-section (mm²) | 95     | 95     | 95     | 95     | 95     | 95     | 95     | 240   |
| Maximum busbar width (mm)            | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 32    |
| Tightening torque min (Nm)           | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 8.3/13 | 20/26 |

### Mechanical characteristics

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

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

(2) With terminal shrouds or phase barrier.

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

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

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

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



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

### 250 to 1250 A

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

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

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

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

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

### Reactive power (kvar)

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

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

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

### Short-circuit capacity

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

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

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

### Connection

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

### Mechanical characteristics

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

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

(2) With terminal shrouds or terminal screen.

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

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

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

\* Direct operation switch.

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

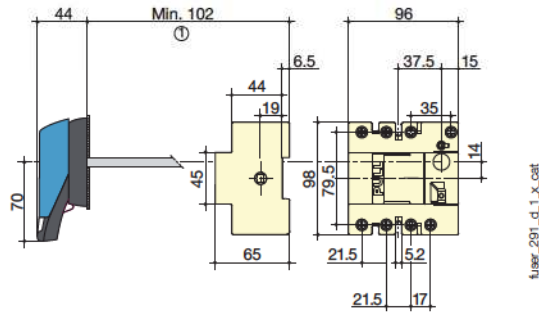


## Dimensions

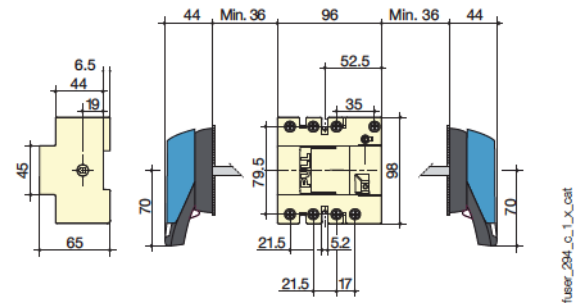
### External operation

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

External front operation

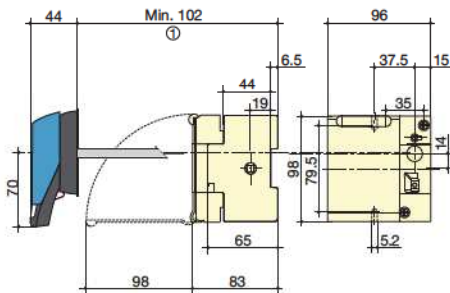


External side operation

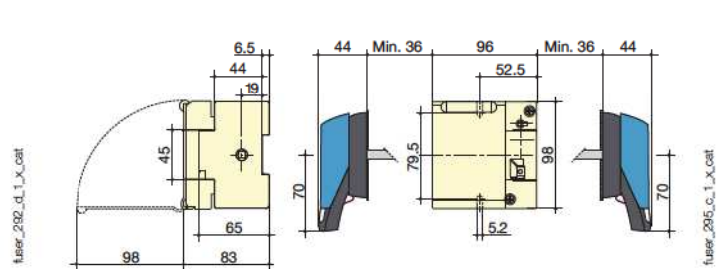


BS88 CD 20 to CD 32 A in size A1 - NFC and DIN 32 A in size 14 x 51

External front operation

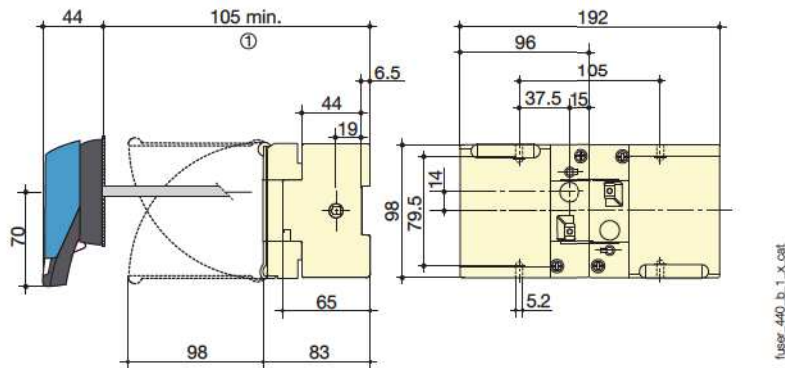


External side operation



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

External front operation fuse combination changeover

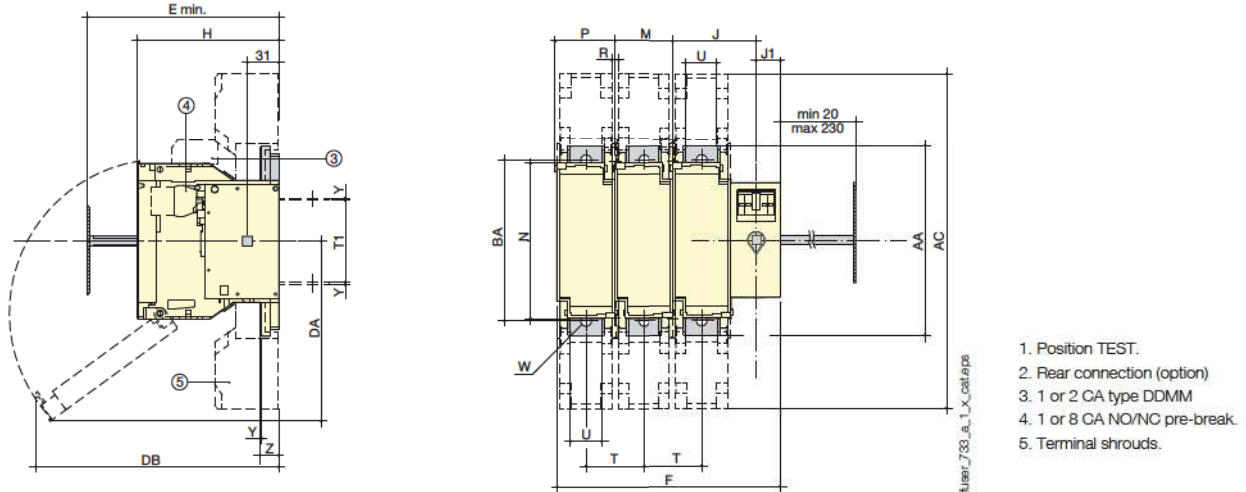


1. With 1 U-type AC: 130 mm  
With 2 U-type AC: 155 mm.

## Dimensions (continued)

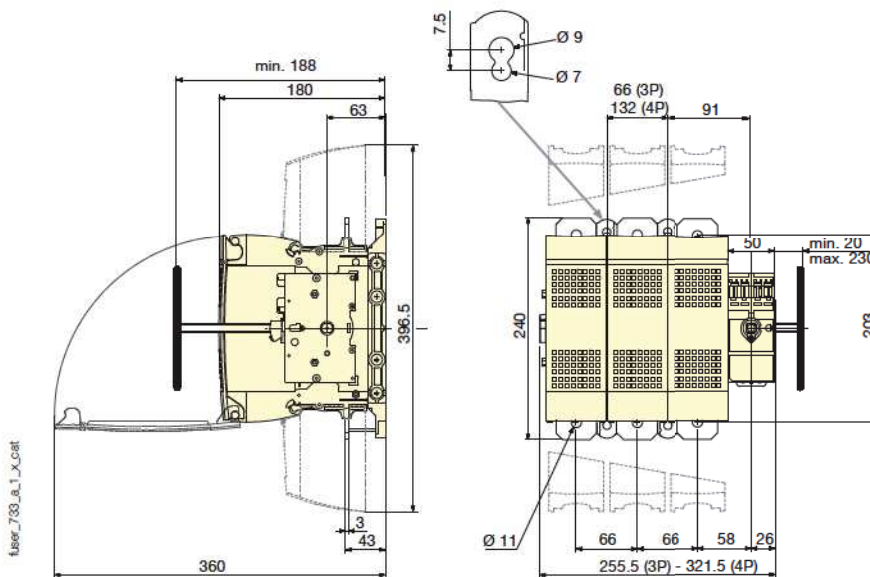
### External operation

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



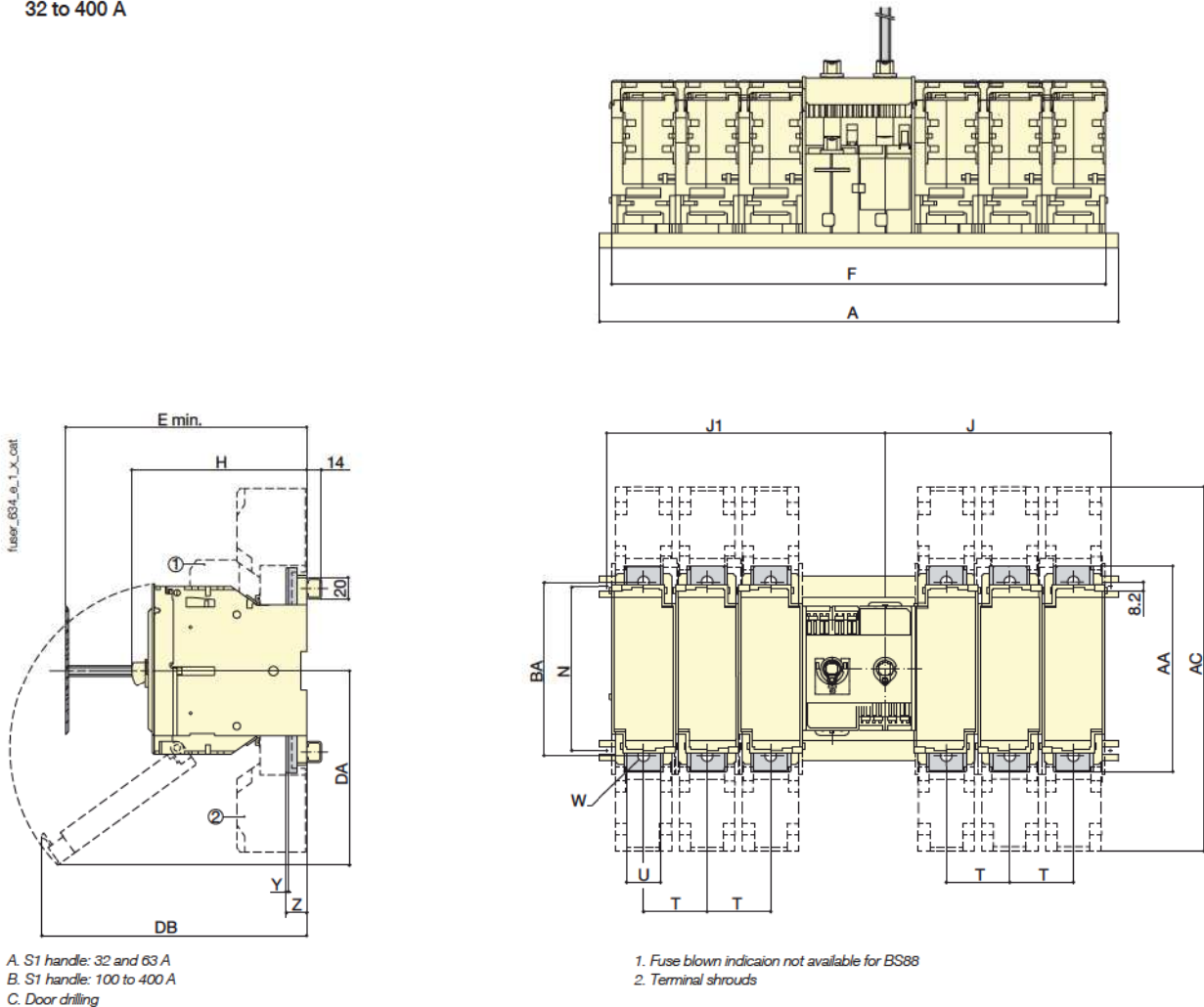
| Rating (A) | NFC/DIN   | BS88      | Frame size | Overall    | Terminal | Switch body |       |     |    |    |     |     |     | Switch mounting |     |    |     | Connection |    |    |     |     |      |     |     |
|------------|-----------|-----------|------------|------------|----------|-------------|-------|-----|----|----|-----|-----|-----|-----------------|-----|----|-----|------------|----|----|-----|-----|------|-----|-----|
|            | Fuse size | Fuse size |            | dimensions | shrouds  | F 3p.       | F 4p. | H   | J  | J1 | BC  | DA  | DB  | M               | N   | P  | R   | T          | T1 | U  | W   | Y   | Z    | AA  | BA  |
| 32         |           | A1        | 11         | 100        | -        | 121         | 148   | 87  | 45 | 18 | 70  | 85  | 153 | 27              | 106 | 31 | 6   | 27         | 59 | 12 | -   | 2   | -    | 118 | -   |
| 50         | 14 x 51   | -         | 11         | 100        | -        | 121         | 148   | 87  | 45 | 18 | 70  | 85  | 153 | 27              | 106 | 31 | 6   | 27         | 59 | 12 | -   | 2   | -    | 118 | -   |
| 63         | 00C       | A2-A3     | 12         | 125        | -        | 136         | 168   | 116 | 50 | 18 | 70  | 159 | 145 | 32              | 106 | 36 | 5.4 | 32         | 59 | 12 | -   | 2   | -    | 118 | -   |
| 100        | 22x58     | A4        | 13         | 135        | 268      | 148         | 184   | 116 | 54 | 18 | 125 | 141 | 179 | 36              | 127 | 40 | 5.4 | 36         | 62 | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |
| 125        |           |           |            |            |          |             |       |     |    |    |     |     |     |                 |     |    |     |            |    |    |     |     |      |     |     |
| 125        |           |           |            |            |          |             |       |     |    |    |     |     |     |                 |     |    |     |            |    |    |     |     |      |     |     |
| 160        | 00        | -         | 13         | 135        | 268      | 148         | 184   | 126 | 54 | 18 | 125 | 141 | 189 | 36              | 127 | 40 | 5.4 | 36         | 62 | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |
| CD 160     | -         | A3-A4     | 13A        | 145        | 268      | 148         | 184   | 139 | 54 | 18 | 125 | 141 | -   | 36              | 130 | 40 | 5.4 | 36         | 78 | 18 | 8.5 | 3   | 20   | 162 | 141 |
| CD 200     |           |           |            |            |          |             |       |     |    |    |     |     |     |                 |     |    |     |            |    |    |     |     |      |     |     |
| 180        |           |           |            |            |          |             |       |     |    |    |     |     |     |                 |     |    |     |            |    |    |     |     |      |     |     |
| 200        |           |           |            |            |          |             |       |     |    |    |     |     |     |                 |     |    |     |            |    |    |     |     |      |     |     |
| 200        | 0         | A4-B1-B2  | 14         | 145        | 268      | 190         | 240   | 136 | 64 | 18 | 125 | 174 | 229 | 50              | 140 | 54 | 5.4 | 50         | 62 | 20 | 8.5 | 2.5 | 19.5 | 162 | 141 |
| 200        | -         | B1-B2     | 15         | 154        | 345      | 234         | 294   | 146 | 86 | 25 | 125 | 185 | 251 | 60              | 162 | 64 | 6.4 | 60         | 84 | 32 | 11  | 2.5 | 19.5 | 195 | 166 |
| 250        | 1         | B1-B2-B3  | 15         | 154        | 345      | 234         | 294   | 146 | 86 | 25 | 125 | 185 | 251 | 60              | 162 | 64 | 6.4 | 60         | 84 | 32 | 11  | 2.5 | 19.5 | 195 | 166 |

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



## BS88 - External front operation fuse combination changeover

32 to 400 A



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

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



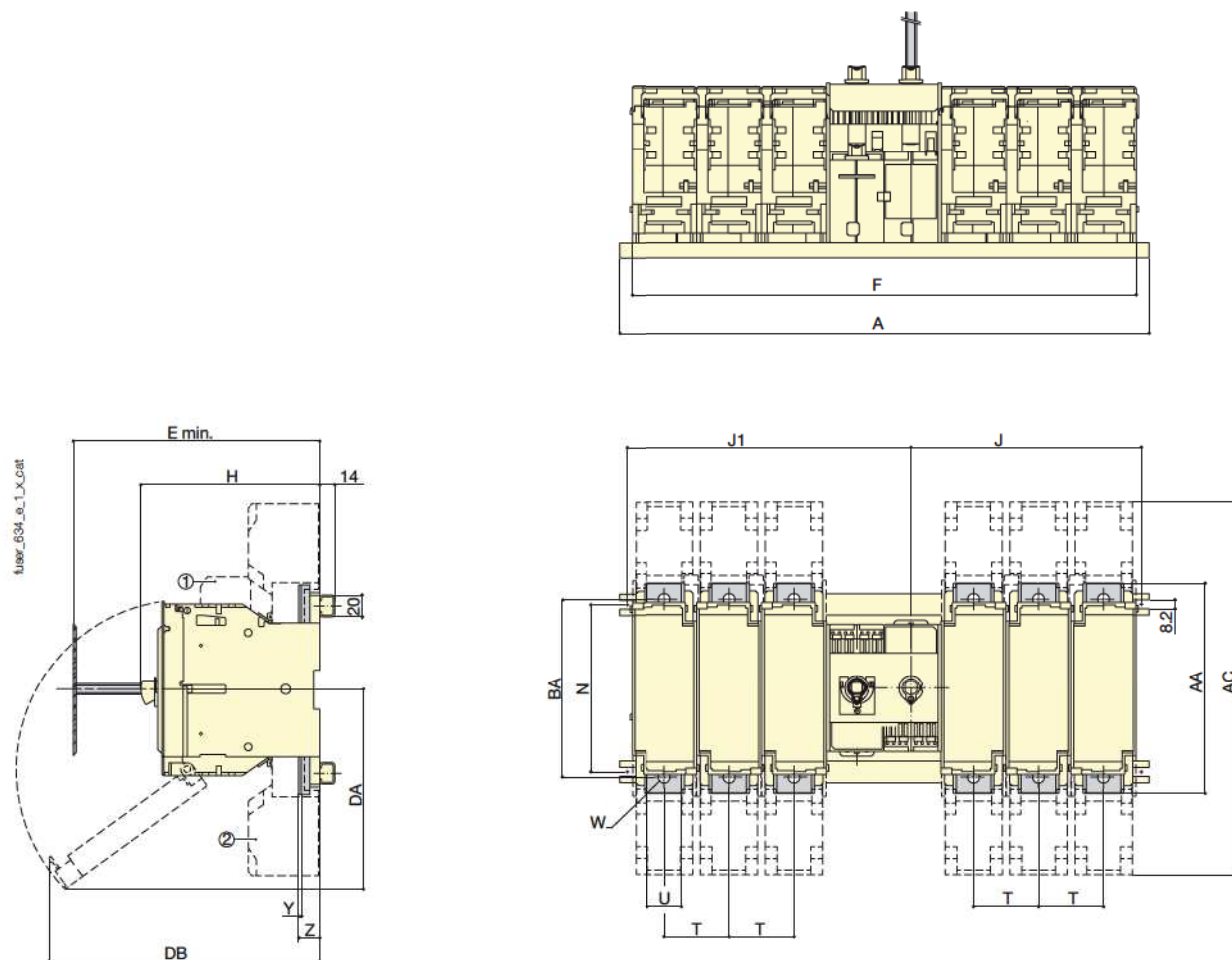
# FUSERBLOC

Fuse combination switches  
for industrial fuses up to 1250 A

## Dimensions (continued)

NFC and DIN - External front operation fuse combination changeover

50 to 400 A



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

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

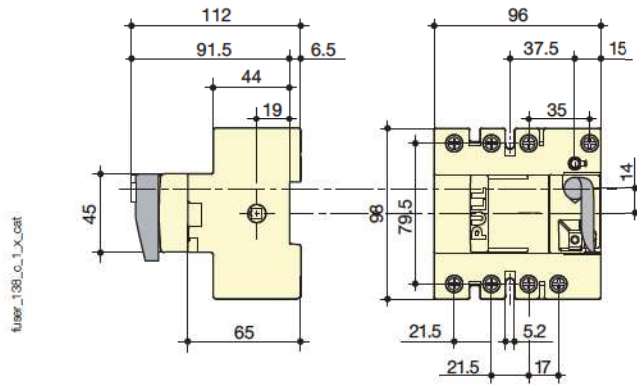
| Rating<br>(A) | Fuse<br>size | Frame<br>size | Overall dimensions |         |                    |                    | Terminal<br>shrouds | Switch body |          |                      |          |          |           |           |     |     |     | Switch<br>mounting | Connection |     |     |      |     |     |  |  |
|---------------|--------------|---------------|--------------------|---------|--------------------|--------------------|---------------------|-------------|----------|----------------------|----------|----------|-----------|-----------|-----|-----|-----|--------------------|------------|-----|-----|------|-----|-----|--|--|
|               |              |               | A<br>3p            | A<br>4p | E<br>min           | E<br>max           | AC                  | F<br>3 P    | F<br>4 P | H                    | J<br>3 P | J<br>4 P | J1<br>3 P | J1<br>4 P | DA  | DB  | N   | T                  | U          | W   | Y   | Z    | AA  | BA  |  |  |
|               |              |               |                    |         |                    |                    |                     |             |          |                      |          |          |           |           |     |     |     |                    |            |     |     |      |     |     |  |  |
| 50            | 14 x 51      | 11            | 264                | 318     | 100 <sup>(1)</sup> | 146 <sup>(1)</sup> |                     | 121         | 148      | 87 <sup>(1)</sup>    | 102      | 129      | 138       | 165       | 85  | 153 | 90  | 27                 |            |     |     |      | 118 |     |  |  |
| 63            | 00C          | 12            | 294                | 358     | 125                | 145                |                     | 136         | 168      | 116.5 <sup>(2)</sup> | 121      | 153      | 158       | 189       | 159 | 145 | 90  | 32                 |            |     |     |      | 118 |     |  |  |
| 100           | 22 x 58      | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 116 <sup>(2)</sup>   | 133      | 169      | 169       | 205       | 141 | 187 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |  |  |
| 125           | 22 x 58      | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 116 <sup>(2)</sup>   | 133      | 169      | 169       | 205       | 141 | 179 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |  |  |
| 125           | 00           | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 126.5                | 133      | 169      | 169       | 205       | 141 | 193 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |  |  |
| 180           | 00           | 13            | 318                | 390     | 135                | 145                | 268                 | 148         | 184      | 126.5                | 133      | 169      | 169       | 205       | 141 | 193 | 128 | 36                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |  |  |
| 180           | 0            | 14            | 402                | 502     | 145                | 225                | 268                 | 190         | 240      | 136.5                | 176      | 226      | 212       | 262       | 174 | 229 | 128 | 50                 | 20         | 8.5 | 2.5 | 19.5 | 162 | 141 |  |  |
| 250           | 1            | 15            | 490                | 610     | 154                | 225                | 345                 | 234         | 294      | 146                  | 213      | 273      | 263       | 323       | 185 | 251 | 155 | 60                 | 32         | 11  | 2.5 | 19.5 | 195 | 166 |  |  |
| 400           | 2            | 16            | 526                | 658     | 157                | 225                | 355                 | 252         | 318      | 149                  | 231      | 297      | 281       | 347       | 200 | 280 | 168 | 66                 | 50         | 11  | 3   | 20   | 205 | 175 |  |  |

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

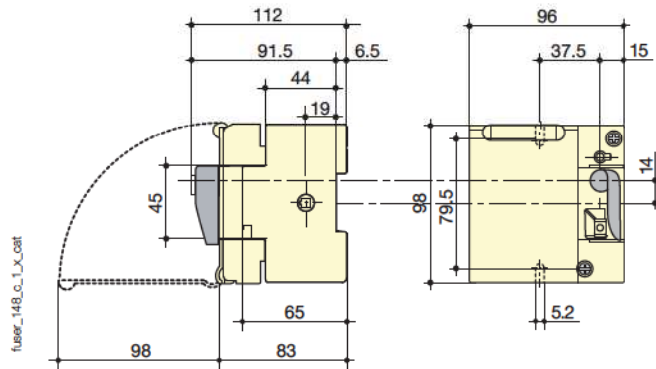
(2) 132 with 2 AC

## Direct operation

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



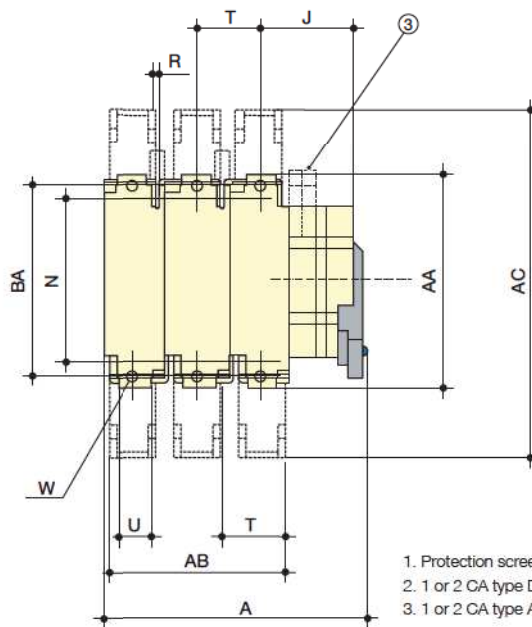
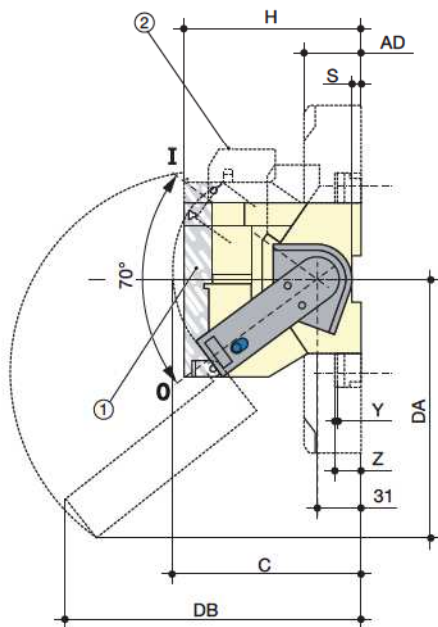
BS88 CD 20 to CD 32 A in frame size 0 / fuse size A1 - NFC CD 32 A in frame size 0 / fuse size 14 x 51



## Dimensions (continued)

### Direct operation (continued)

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



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

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

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## External and direct operation

BS88 630 to 800 A - DIN 630 to 1250 A

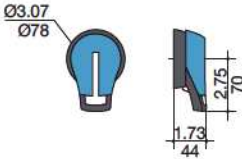
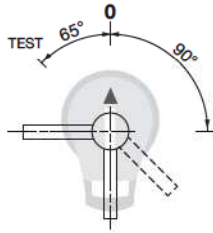
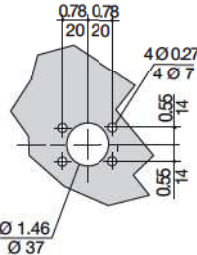
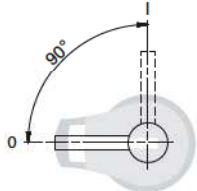
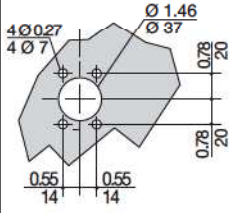


1. For handle frame size 17.
2. For handle frame size 18.
3. Connection terminals for frame size 18.
4. Terminal shrouds.

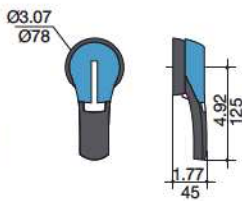
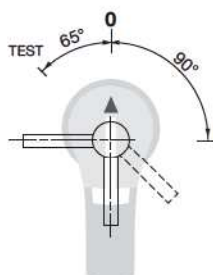
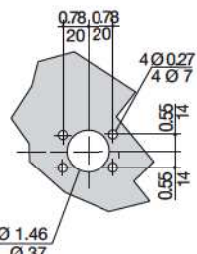
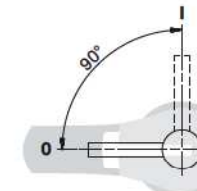
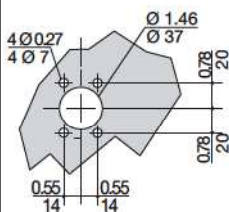
| Rating<br>(A) | DIN<br>Fuse size | BS88<br>Fuse size | Frame<br>size | Overall<br>dimensions<br><br>E min | Switch body |       |     |     |     | Switch mounting |       | Connection |    | Terminal<br>shrouds<br><br>AB |
|---------------|------------------|-------------------|---------------|------------------------------------|-------------|-------|-----|-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

## Dimensions for external operation handles

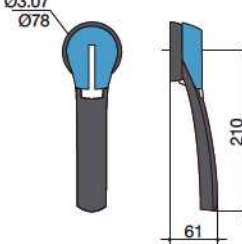
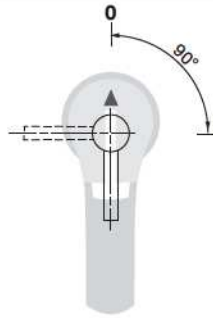
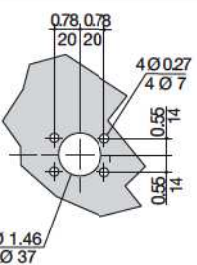
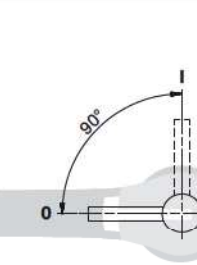
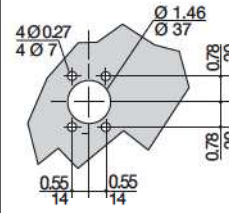
BS88 - 32 to 63 A - NFC and DIN - 25 to 63 A

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

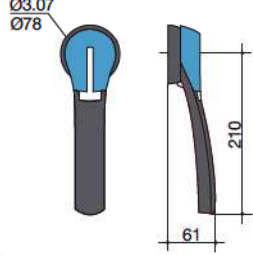
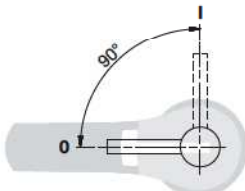
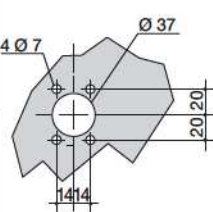
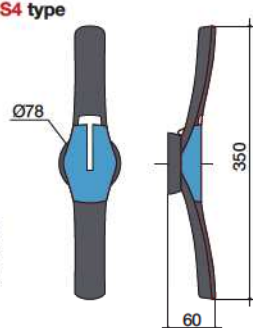
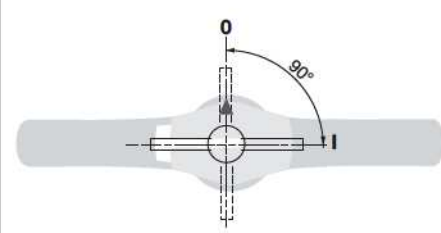
BS88 / NFC and DIN - 100 to 400 A

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

BS88 / NFC and DIN - 630 to 800 A

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

BS88 / NFC and DIN - 800 to 1250 A

| Handle type                                                                                                                                                  | Front operation<br>Direction of operation                                          | Side operation<br>Direction of operation                                           | Door drilling                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>S3 type</b><br>Box size 18<br>$\varnothing 3.07$<br>$\varnothing 78$<br> |                                                                                    |  |  |
| <b>S4 type</b><br>$\varnothing 78$<br>                                     |  |                                                                                    |                                                                                     |

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