

# System

## pro M compact®

# Technical features

Auxiliary elements and accessories for MCBs S 200 and RCDs F 200 and DS 200 series

| Auxiliary contact and signal/auxiliary contact                  |                 |   | S2C-H6R, S2C-H11L, S2C-H20, S2c-H02 and S2C-S/H6R                                  |
|-----------------------------------------------------------------|-----------------|---|------------------------------------------------------------------------------------|
| Rated current                                                   | A               |   | 10                                                                                 |
| Min. rated voltage UBmin                                        | AC              | V | 24                                                                                 |
|                                                                 | DC              | V | 24                                                                                 |
| Min. rated operational current/voltage                          |                 |   | 10 mA at 12 V; 5 mA at 24 V                                                        |
| Short-circuit withstand capacity                                | V               |   | 230 a.c. 100A with S201 K4                                                         |
| Overvoltage category                                            |                 |   | III                                                                                |
| Surge voltage (1.2/50 ms)                                       | kV              |   | 4                                                                                  |
| Connection cross section                                        | mm <sup>2</sup> |   | 0.75...2.5 (up to 2 x 1.5 mm <sup>2</sup> for S2C-H11L, S2C-H20L and S2C-H02L)     |
| Tightening torque                                               | Nm              |   | 1.2 (max. 0.8 for S2C-H11L, S2C-H20L and S2C-H02L)                                 |
| Contact stability in vibration test according to DIN IEC 68-2-6 |                 |   | 5g, 20 sweep cycles 5...150...5 Hz at 24 V AC/DC, 5 mA automatic reclosing < 10 ms |
| Mechanical service life                                         |                 |   | 10000 operations                                                                   |
| Dimensions (H x D x W)                                          | mm              |   | 85 x 69 x 8.8                                                                      |

| Bottom-fitting auxiliary contact |                 |  | S 2C-H10 and S 2C-H01                                                                     |
|----------------------------------|-----------------|--|-------------------------------------------------------------------------------------------|
| Contact complement               |                 |  | 1NO (1 make contact), 1NC (1 normally closed contact), leading make contact, late closing |
| Contact load                     |                 |  | AC14 2 A/230 V - DC 12 identical DC13/DC13 1 A /50 V, 2 A/30 V                            |
| Min. rated voltage               | V               |  | 12 AC/DC at 0.1 VA                                                                        |
| Short-circuit withstand capacity |                 |  | 230 VAC 1000 A, fault protection with S 201-K2 or Z2                                      |
| Electrical serviceable life      |                 |  | > 4000 switchover cycles                                                                  |
| Standard                         |                 |  | VDE 0106 Part 101                                                                         |
| Connection cross-section         | mm <sup>2</sup> |  | 0.75 to 2.5                                                                               |
| Tightening torque                | N*m             |  | 0.5                                                                                       |

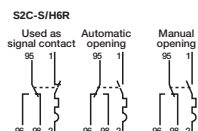
| Signal auxiliary contact for F 200 125A and F 200 B |                 |   | F2 125A-S/H   |
|-----------------------------------------------------|-----------------|---|---------------|
| Rated current                                       | AC              | A | 6             |
|                                                     | DC              | A | 1             |
| Min. rated voltage Ub min                           | AC              | V | 230           |
|                                                     | DC              | V | 110           |
| Connection cross section                            | mm <sup>2</sup> |   | 1...1.5       |
| Tightening torque                                   | Nm              |   | 0.8           |
| Dimensions (H x D x W)                              | mm              |   | 85 x 69 x 8.8 |

| Shunt trip for S 200 MCBs |        |                 | S 2C-A1        |       |       |       |       |       | S 2C-A2        |        |        |        |        |
|---------------------------|--------|-----------------|----------------|-------|-------|-------|-------|-------|----------------|--------|--------|--------|--------|
| Rated voltage             | AC     | V               | 12...60        |       |       |       |       |       | 110...415      |        |        |        |        |
|                           | DC     | V               | 12...60        |       |       |       |       |       | 110...250      |        |        |        |        |
| Max release duration      |        | ms              | <10            |       |       |       |       |       | <10            |        |        |        |        |
| Min. release voltage      | AC     | V               | 7              |       |       |       |       |       | 55             |        |        |        |        |
|                           | DC     | V               | 10             |       |       |       |       |       | 80             |        |        |        |        |
| Consumption on release    | Ub     | V               | 12 DC          | 12 AC | 24 DC | 24 AC | 60 DC | 60 AC | 110 DC         | 110 AC | 220 DC | 230 AC | 415 AC |
|                           | Ib max | A               | 2.2            | 2.5   | 4.5   | 5     | 14    | 8.8   | 0.35           | 0.5    | 1.1    | 1.0    | 2.7    |
| Coil resistance           |        | Ω               | 3.7            |       |       |       |       |       | 225            |        |        |        |        |
| Terminals                 |        | mm <sup>2</sup> | 16             |       |       |       |       |       | 16             |        |        |        |        |
| Tightening torque         |        | Nm              | 2.5            |       |       |       |       |       | 2.5            |        |        |        |        |
| Dimensions (H x D x W)    |        | mm              | 85 x 69 x 17.5 |       |       |       |       |       | 85 x 69 x 17.5 |        |        |        |        |

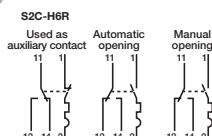
| Shunt trip for F 200 RCCBs |        |                 | F 2C-A1        |       |       |       | F 2C-A2        |        |        |        |
|----------------------------|--------|-----------------|----------------|-------|-------|-------|----------------|--------|--------|--------|
| Rated voltage              | AC     | V               | 12...60        |       |       |       | 110...415      |        |        |        |
|                            | DC     | V               | 12...60        |       |       |       | 110...250      |        |        |        |
| Max release duration       |        | ms              | 10             |       |       |       | 10             |        |        |        |
| Min. release voltage       | AC     | V               | 6              |       |       |       | 75             |        |        |        |
|                            | DC     | V               | 4.5            |       |       |       | 55             |        |        |        |
| Consumption on release     | Ub     | V               | 12 DC          | 12 AC | 60 DC | 60 AC | 110 DC         | 110 AC | 250 DC | 415 AC |
|                            | Ib max | VA              | 10.6           | 7.8   | 348   | 306   | 5.5            | 3.8    | 25     | 66.4   |
| Coil resistance            |        |                 | 5.5            |       |       |       | 150            |        |        |        |
| Terminals                  |        | mm <sup>2</sup> | 2x1.5          |       |       |       | 2x1.5          |        |        |        |
| Tightening torque          |        | Nm              | 0.2            |       |       |       | 0.2            |        |        |        |
| Dimensions (H x D x W)     |        | mm              | 85 x 69 x 17.5 |       |       |       | 85 x 69 x 17.5 |        |        |        |



2CSC400465F0201



2CSC400324F0201



2CSC400155F0201



2CSC400471F0201

## Signal/auxiliary contacts

Function S2C-S/H6R: choice through a selector between indication of the position of the device's contacts and signalling of the fault (overcurrent/short-circuit for MCBs and RCBOs; earth fault for RCBOs and RCBOs). Suitable for MCBs S 200 series, RCCBs F 200 series, RCBOs DS 200 series.  
Function S2C-H6R: indication of the position of the device's contacts. Suitable for MCBs S200 series. To be mounted on the left side of the MCBs thanks to the special pin. They are not suitable to be mounted together with RCD-block DDA200.

| Description                     | Order details     | Bbn             | Price         | Price | Weight  | Pack |
|---------------------------------|-------------------|-----------------|---------------|-------|---------|------|
| Type code                       | Order code        | 4016779         | 1 piece       | group | 1 piece | unit |
|                                 |                   | EAN             |               |       | kg      | pc.  |
| Signal contact/auxiliary switch | <b>S 2C-S/H6R</b> | 2CDS200922R0001 | <b>563819</b> |       | 0.04    | 1    |
| Auxiliary contact               | <b>S2C-H6R</b>    | 2CDS200912R0001 | <b>56826</b>  |       | 0.04    | 1    |

## Auxiliary contacts

| Description                | Order details   | Bbn             | Price         | Price | Weight  | Pack |
|----------------------------|-----------------|-----------------|---------------|-------|---------|------|
| Type code                  | Order code      | 4016779         | 1 piece       | group | 1 piece | unit |
|                            |                 | EAN             |               |       | kg      | pc.  |
| Auxiliary contact 1 NO/1NC | <b>S2C-H11L</b> | 2CDS200936R0001 | <b>648820</b> |       | 0.04    | 1    |
| Auxiliary contact 2 NO     | <b>S2C-H20L</b> | 2CDS200936R0002 | <b>648837</b> |       | 0.04    | 1    |
| Auxiliary contact 2 NC     | <b>S2C-H02L</b> | 2CDS200936R0003 | <b>648844</b> |       | 0.04    | 1    |

## Bottom-fitting auxiliary contacts for S 200, S 200 M, S 200 P

|      |                 |                    |                |  |      |   |
|------|-----------------|--------------------|----------------|--|------|---|
| 1 NC | <b>S 2C-H01</b> | 2CDS 200 970 R0001 | <b>64551 5</b> |  | 0.01 | 1 |
| 1 NO | <b>S 2C-H10</b> | 2CDS 200 970 R0002 | <b>64552 2</b> |  | 0.01 | 1 |

packing unit 15 parts

|      |                     |                    |                |  |      |    |
|------|---------------------|--------------------|----------------|--|------|----|
| 1 NC | <b>S 2C-H01 15x</b> | 2CDS 200 970 R0011 | <b>64677 2</b> |  | 0.01 | 15 |
| 1 NO | <b>S 2C-H10 15x</b> | 2CDS 200 970 R0012 | <b>64681 9</b> |  | 0.01 | 15 |

## Signal/auxiliary contact for F 200 125A and F 200 B

Function: choice through a selector between indication of the position of the device's contacts and signalling of the earth fault. Suitable for RCCBs F 200 125A and F 200 B series

| Description              | Order details      | Bbn             | Price         | Price | Weight  | Pack |
|--------------------------|--------------------|-----------------|---------------|-------|---------|------|
| Type code                | Order code         | 4014712         | 1 piece       | group | 1 piece | unit |
|                          |                    | EAN             |               |       | kg      | pc.  |
| Signal/auxiliary contact | <b>F2 125A-S/H</b> | 2CSS200922R0001 | <b>076983</b> |       | 0.04    | 1    |

## Shunt trips

Function: remote opening of the device when a voltage is applied. Suitable for MCBs S 200 series and RCBOs DS 200 series.

| Rated voltage                  | Order details  | Bbn             | Price         | Price | Weight  | Pack |
|--------------------------------|----------------|-----------------|---------------|-------|---------|------|
| Type code                      | Order code     | 8012542         | 1 piece       | group | 1 piece | unit |
|                                |                | EAN             |               |       | kg      | pc.  |
| AC/DC 12...60 V                | <b>S 2C-A1</b> | 2CDS200909R0001 | <b>570992</b> |       | 0.15    | 1    |
| AC 110...415 V / DC110...250 V | <b>S 2C-A2</b> | 2CDS200909R0002 | <b>571005</b> |       | 0.15    | 1    |

Function: remote opening of the device when a voltage is applied. Suitable for RCCBs F 200 series.

|                               |               |                 |               |  |      |   |
|-------------------------------|---------------|-----------------|---------------|--|------|---|
| AC/DC 12...60V                | <b>F2C-A1</b> | 2CSS200933R0011 | <b>974901</b> |  | 0.15 | 1 |
| AC 110...415V / DC 110...250V | <b>F2C-A2</b> | 2CSS200933R0012 | <b>975007</b> |  | 0.15 | 1 |

# System pro M compact®

## Selection tables

Auxiliary elements for MCBs S 200, S 200, F 200 and RCDs F 200 and DS 200 series

## Auxiliary elements for DS 200 series



2CSC400325F0201



2CSC400055F0201



2CSC400023F0201

### Undervoltage releases

Function: protection of the load in the event of a voltage drop (between 70% and 35% of its rated value); positive safety (device's tripping when the voltage is disconnected) emergency stop by means of a button. Suitable for MCBs S 200 series, RCBOs DS 200 series.

| Rated voltage | Order details        |                 | Bbn<br>8012542 | Price<br>1 piece | Price<br>group | Weight<br>1 piece<br>kg | Pack<br>unit<br>pc. |
|---------------|----------------------|-----------------|----------------|------------------|----------------|-------------------------|---------------------|
|               | Type code            | Order code      | EAN            |                  |                |                         |                     |
| 12VDC         | <b>S2C-UA 12 DC</b>  | 2CSS200911R0001 | <b>839705</b>  |                  |                | 0.09                    | 1                   |
| 24VAC         | <b>S2C-UA 24 AC</b>  | 2CSS200911R0002 | <b>839804</b>  |                  |                | 0.09                    | 1                   |
| 24VDC         | <b>S2C-UA 24 DC</b>  | 2CSS200911R0007 | <b>896401</b>  |                  |                | 0.09                    | 1                   |
| 48VAC         | <b>S2C-UA 48 AC</b>  | 2CSS200911R0003 | <b>839903</b>  |                  |                | 0.09                    | 1                   |
| 48VDC         | <b>S2C-UA 48 DC</b>  | 2CSS200911R0008 | <b>896500</b>  |                  |                | 0.09                    | 1                   |
| 110VAC        | <b>S2C-UA 110 AC</b> | 2CSS200911R0004 | <b>840008</b>  |                  |                | 0.09                    | 1                   |
| 110VDC        | <b>S2C-UA 110 DC</b> | 2CSS200911R0009 | <b>896609</b>  |                  |                | 0.09                    | 1                   |
| 230VAC        | <b>S2C-UA 230 AC</b> | 2CSS200911R0005 | <b>840107</b>  |                  |                | 0.09                    | 1                   |
| 230VDC        | <b>S2C-UA 230 DC</b> | 2CSS200911R0010 | <b>896708</b>  |                  |                | 0.09                    | 1                   |
| 400VAC        | <b>S2C-UA 400 AC</b> | 2CSS200911R0006 | <b>840206</b>  |                  |                | 0.09                    | 1                   |

### Hand operated neutral

The hand operated neutral has to be mounted to the left side of the MCB and be snapped on the DIN rail. It is used for measuring duties where the neutral conductor must be in the open position. Due to the special design of the handle - when switching ON the MCB – the neutral will make before the MCB is closed.

The S2C - Nt is not to switch with a tool (screw driver).

| Description | Order details |                 | Bbn<br>4016779 | Price<br>1 piece | Price<br>group | Weight<br>1 piece<br>kg | Pack<br>unit<br>pc. |
|-------------|---------------|-----------------|----------------|------------------|----------------|-------------------------|---------------------|
|             | Type code     | Order code      | EAN            |                  |                |                         |                     |
| Max 40A     | <b>S2C-Nt</b> | 2CDS200918R0001 | <b>647625</b>  |                  |                | 0.06                    | 1                   |