

## Fuse-switch disconnectors for cylindrical fuse-links

### Advantages of fuse-switch disconnector PCF

→ 1-pole + N in one module



→ Double connection clamps



→ New method of mounting on the DIN rail and simple replacement



→ LED indicator version



→ Extraction of entire fuse-link when changing

→ Chamber for spare fuse-link



→ Sealing possibility

## Fuse-switch disconnector PCF 8

Rated current  
**max. 20 A**Rated operational voltage  
**400 V**Utilization category  
**AC 22B****1-pole**

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 400              | 20               | 002530001  | -         | 58            | 12/108             |
|                  |                  | 002530011  | LED       |               |                    |
|                  |                  | *002531001 | -         | 58            | 12/108             |
|                  |                  | *002531011 | LED       |               |                    |

\* Connection clamp on the right side French version

**1-pole + N**

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 400              | 20               | 002530002  | -         | 70            | 12/108             |
|                  |                  | 002530012  | LED       |               |                    |
|                  |                  | *002531002 | -         | 70            | 12/108             |
|                  |                  | *002531012 | LED       |               |                    |

\* Connection clamp on the right side, N pole on the left French version

**2-pole**

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 400              | 20               | 002530003  | -         | 120           | 6/54               |
|                  |                  | 002530013  | LED       |               |                    |
|                  |                  | *002531003 | -         | 120           | 6/54               |
|                  |                  | *002531013 | LED       |               |                    |

\* Connection clamp on the right side French version

**3-pole**

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 400              | 20               | 002530004  | -         | 180           | 4/36               |
|                  |                  | 002530014  | LED       |               |                    |
|                  |                  | *002531004 | -         | 180           | 4/36               |
|                  |                  | *002531014 | LED       |               |                    |

\* Connection clamp on the right side French version

**3-pole + N**

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 400              | 20               | 002530005  | -         | 195           | 4/36               |
|                  |                  | 002530015  | LED       |               |                    |
|                  |                  | *002531005 | -         | 195           | 4/36               |
|                  |                  | *002531015 | LED       |               |                    |

\* Connection clamp on the right side, N pole on the left French version



## Fuse-switch disconnector PCF 10

Rated current  
**max. 32 A**

Rated operational voltage  
**690 V a.c.**

Utilization category  
**AC 22B**



### 1-pole

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 690              | 32               | 002550001  | -         | 58            | 12/108             |
|                  |                  | 002550011  | LED       |               |                    |
|                  |                  | *002551001 | -         | 58            | 12/108             |
|                  |                  | *002551011 | LED       |               |                    |

\* Connection clamp on the right side French version

### 1-pole + N

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 400/690          | 32               | 002550002  | -         | 70            | 12/108             |
|                  |                  | 002550012  | LED       |               |                    |
|                  |                  | *002551002 | -         | 70            | 12/108             |
|                  |                  | *002551012 | LED       |               |                    |

\* Connection clamp on the right side, N pole on the left French version



### 2-pole

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 690              | 32               | 002550003  | -         | 120           | 6/54               |
|                  |                  | 002550013  | LED       |               |                    |
|                  |                  | *002551003 | -         | 120           | 6/54               |
|                  |                  | *002551013 | LED       |               |                    |

\* Connection clamp on the right side French version

### 3-pole

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 690              | 32               | 002550004  | -         | 180           | 4/36               |
|                  |                  | 002550014  | LED       |               |                    |
|                  |                  | *002551004 | -         | 180           | 4/36               |
|                  |                  | *002551014 | LED       |               |                    |

\* Connection clamp on the right side French version



### 3-pole + N

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.   | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|------------|-----------|---------------|--------------------|
| 690              | 32               | 002550005  | -         | 195           | 4/36               |
|                  |                  | 002550015  | LED       |               |                    |
|                  |                  | *002551005 | -         | 195           | 4/36               |
|                  |                  | *002551015 | LED       |               |                    |

\* Connection clamp on the right side, N pole on the left French version

## Fuse-switch disconnectors for cylindrical fuse-links

## Fuse-switch disconnector PCF CC

Rated current  
**max. 30 A**Rated operational voltage  
**600 V**Utilization category  
**AC 22B**

## 1-pole

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.  | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|-----------|-----------|---------------|--------------------|
| 600              | 30               | 002550101 | -         | 58            | 12/108             |
|                  |                  | 002550111 | LED       |               |                    |

## 2-pole

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.  | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|-----------|-----------|---------------|--------------------|
| 600              | 30               | 002550103 | -         | 120           | 6/54               |
|                  |                  | 002550113 | LED       |               |                    |

## 3-pole

| $U_e/U_i$<br>[V] | $I_{max}$<br>[A] | Code No.  | Indicator | Weight<br>[g] | Packaging<br>[pcs] |
|------------------|------------------|-----------|-----------|---------------|--------------------|
| 600              | 30               | 002550104 | -         | 180           | 4/36               |
|                  |                  | 002550114 | LED       |               |                    |



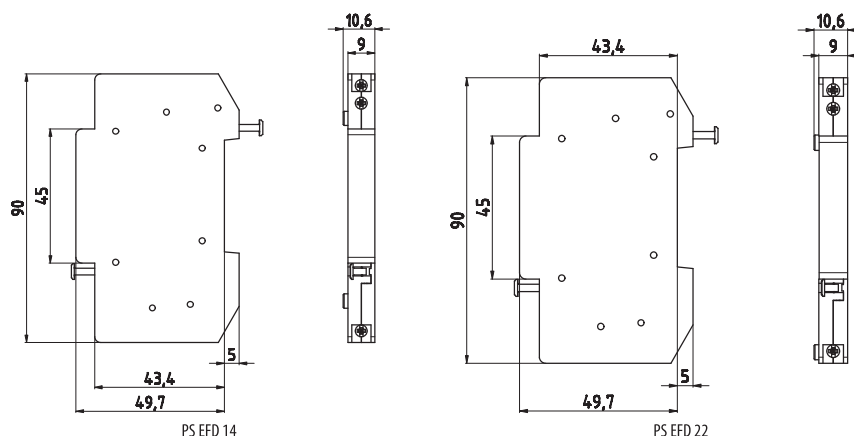
## Accessories

## Auxiliary switch PS PCF

| $U_n$<br>[V] | $I_n$<br>[A] | Code No.<br>PCF8 | Code No.<br>PCF10 | Weight<br>[g] | Packaging<br>[pcs] | Contact          |
|--------------|--------------|------------------|-------------------|---------------|--------------------|------------------|
| 230          | 6            | 002559001        | 002559001         | 35            | 1/10               | 1 x b<br>1 x a/b |



## Auxiliary switch EFD

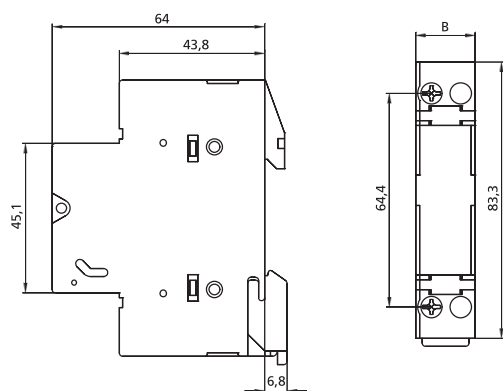


## Fuse-switch disconnectors for cylindrical fuse-links PCF

| Technical data PCF                                 |                                           |                |                              |                               |
|----------------------------------------------------|-------------------------------------------|----------------|------------------------------|-------------------------------|
|                                                    | PCF 8                                     |                | PCF 10                       |                               |
| Fuse type                                          | CH 8x32                                   |                | CH 10x38                     |                               |
|                                                    | IEC                                       |                | IEC                          | UL                            |
| Versions                                           | Without indicator / LED indicator         |                |                              |                               |
| Number of poles                                    | 1p, 1p+N, 2p, 3p, 3p+N                    |                |                              | 1p, 2p, 3p                    |
| Rated operational voltage U <sub>e</sub>           | 400V a.c.                                 |                | 690V a.c.                    | 600V a.c./d.c.                |
| Rated operational current I <sub>e</sub>           | 20A                                       |                | 32A                          | 30A                           |
| Maximum rated current of fuselinks                 | 690V                                      |                | 10A gG                       |                               |
|                                                    | 500V                                      |                | 25A gG, 16A aM               |                               |
|                                                    | 400V                                      | 20A gG, 10A aM | 32A gG                       |                               |
| Rated frequency                                    | 50Hz                                      |                | 50Hz                         | 60Hz                          |
| Rated short-time withstand current I <sub>cw</sub> | 240A                                      |                | 300A                         |                               |
| Rated conditional short-circuit current            | 50kA                                      |                | 100kA                        | 200kA                         |
| Rated insulation voltage U <sub>i</sub>            | 400V                                      |                | 690V                         |                               |
| Rated imp. withstand voltage U <sub>imp</sub>      | 4kV                                       |                | 4kV                          |                               |
| Overvoltage category                               | III                                       |                | III                          |                               |
| Max power dissipation of the fuse-link (W)         | gG: 2,5W / aM: 0,9W                       |                | gG: 3W / aM: 1,2W            |                               |
| LED indicator operating range                      | 50V-690V a.c.                             |                | 50V-600V a.c., 80V-600V d.c. |                               |
| Utilization category                               | AC-22B                                    |                | AC-22B                       | Do not operate under load     |
| Operational performance (cycles with current)      | 300                                       |                | 300                          |                               |
| Operational performance (cycles without current)   | 1700                                      |                | 1700                         |                               |
| Humidity                                           | 90% at 20°C                               |                |                              |                               |
| Operating ambient temperature                      | -5°C ... +40°C                            |                |                              |                               |
| Store ambient temperature                          | -25°C ... +55°C                           |                |                              |                               |
| Degree of protection (IEC 60529)                   | IP 20                                     |                | IP 20                        |                               |
| Terminal capacity                                  | 0,5-10mm <sup>2</sup> , Double connection |                | 20-10 stranded, Cu only      | 20-10 solid&stranded, Cu only |
| Screw                                              | PZ M4                                     |                | PZ M4                        | PZ M4                         |
| Torque                                             | 1,2Nm                                     |                | 1,2Nm                        | 1,2Nm                         |
| Mounting on EN 60715 rail                          | 35mm rail                                 |                |                              |                               |
| Sealing possibility                                | ON and OFF                                |                |                              |                               |
| Standards - fuse links                             | IEC/EN 60269-2                            |                |                              | UL 248-4, IEC/EN 60269-2      |
| Standards - Fuse-switch disconnectors/fuse holders | IEC 60947-1, IEC 60947-3                  |                | UL 4248-1                    | UL 4248-1, UL 4248-4          |
| Test reports                                       | Int.                                      |                | UL                           | Int                           |
| Certificates                                       |                                           |                | UL                           |                               |

## Technical data

| Technical data PCF                                                                     |     |         |          |    |          |
|----------------------------------------------------------------------------------------|-----|---------|----------|----|----------|
|                                                                                        |     | PCF 8   | PCF 10   |    | PCF CC   |
| Fuse type                                                                              |     | CH 8x32 | CH 10x38 |    | Class CC |
|                                                                                        |     | IEC     | IEC      | UL | UL       |
| Derating factor of current $I_n$ for different ambient temperatures                    | 20º | 1       |          |    |          |
|                                                                                        | 30º | 0,95    |          |    |          |
|                                                                                        | 40º | 0,9     |          |    |          |
|                                                                                        | 50º | 0,8     |          |    |          |
|                                                                                        | 60º | 0,7     |          |    |          |
|                                                                                        | 70º | 0,5     |          |    |          |
| Derating factor of current $I_n$ for side by side mounting fuse holders (nr. of poles) | 1-4 | 1       |          |    |          |
|                                                                                        | 5-6 | 0,8     |          |    |          |
|                                                                                        | 7-9 | 0,7     |          |    |          |
|                                                                                        | ≥10 | 0,6     |          |    |          |



Fuse-switch disconnecter PCF 8, PCF 10, PCF CC

| type             | dimension<br>B |
|------------------|----------------|
| PCF 8, 10, CC 1p | 17,8           |
| PCF 8, 10 1p+N   | 17,8           |
| PCF 8, 10, CC 2p | 35,6           |
| PCF 8, 10, CC 3p | 53,4           |
| PCF 8, 10 3p+N   | 53,4           |

## Auxiliary switch PS PCF

