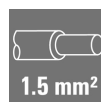


**CH-SMC-00.80-OVP180****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

**General ordering data**

|            |  |
|------------|--|
| Version    | Smart Metering Cable Assemblies, 6 kV, Pin, Socket connector, IP20, 600 V, KB PUR US 2X1.5 GY XX 6KV, 0.33 m |
| Order No.  | <a href="#">2853620080</a>   |
| Type       | CH-SMC-00.80-OVP180  |
| GTIN (EAN) | 4064675477549  |
| Qty.       | 10 pc(s).  |

## CH-SMC-00.80-OVP180

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 0.6 g |
|------------|-------|

## Technical specifications for cable

|                              |                     |                                  |                     |
|------------------------------|---------------------|----------------------------------|---------------------|
| Bending radius, min., moving | 15 x cable diameter | Bending radius, min., stationary | 10 x cable diameter |
| Cable Material               | PUR/ TPE            | Cable length                     | 0.33 m              |
| Core cross-section           | 1.5 mm <sup>2</sup> | Halogen                          | No                  |
| Insulation                   | PP                  | Number of poles                  | 2                   |
| Number of wires              | 2                   | Outside diameter                 | 6.4 mm ± 0.25 mm    |
| Sheathing colour             | grey                | Shielded                         | No                  |
| Temperature range, moving    | -25...90 °C         | Temperature range, stationary    | -40...90 °C         |

## General technical data

|                   |       |               |                       |
|-------------------|-------|---------------|-----------------------|
| Protection degree | IP20  | Rated current | 18.5 A                |
| Rated voltage     | 600 V | Version       | Pin, Socket connector |

## General Technical Data

|                 |        |                                 |      |
|-----------------|--------|---------------------------------|------|
| Number of poles | 2      | Protection degree               | IP20 |
| Rated current   | 18.5 A | Rated impulse withstand voltage | 6 kV |
| Rated voltage   | 600 V  |                                 |      |

## Technical Specifications Connector

|           |                                 |   |
|-----------|---------------------------------|---|
| Connector | Connector description           | Connector 1                                   |
|           | Cable entry                     | straight                                      |
|           | Housing main material           | Plastic                                       |
|           | Number of poles                 | 3   |
|           | Type                            | Male  |
|           | Individual components connector | <a href="#">SLF 5.08/03/180 SN OR BX SO</a>   |
|           | Connector description           | Connector 2                                   |
|           | Cable entry                     | straight                                      |
|           | Housing main material           | Plastic                                       |
|           | Number of poles                 | 3   |
|           | Type                            | Female  |
|           | Individual components connector | <a href="#">BLF 5.08HC/03/180 SN OR BX SO</a> |

## Technical specifications for cable

|                                     |                     |                                     |                           |
|-------------------------------------|---------------------|-------------------------------------|---------------------------|
| Bending radius, min., moving        | 15 x cable diameter | Bending radius, min., stationary    | 10 x cable diameter       |
| Cable Material                      | PUR/ TPE            | Cable length                        | 0.33 m                    |
| Core cross-section                  | 1.5 mm <sup>2</sup> | Halogen                             | No                        |
| Insulation                          | PP                  | Line type                           | KB PUR US 2X1.5 GY XX 6KV |
| Number of wires                     | 2                   | Outside diameter                    | 6.4 mm ± 0.25 mm          |
| Sheathing colour                    | grey                | Shielded                            | No                        |
| Temperature range, moving           | -25...90 °C         | Temperature range, moving, max.     | 90 °C                     |
| Temperature range, moving, min.     | -25 °C              | Temperature range, stationary       | -40...90 °C               |
| Temperature range, stationary, max. | 90 °C               | Temperature range, stationary, min. | -40 °C                    |

**CH-SMC-00.80-OVP180**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001576    | ETIM 7.0    | EC001576    |
| ETIM 8.0    | EC001576    | ETIM 9.0    | EC001576    |
| ECLASS 9.0  | 27-06-04-02 | ECLASS 9.1  | 27-06-91-90 |
| ECLASS 10.0 | 27-06-04-02 | ECLASS 11.0 | 27-06-04-02 |
| ECLASS 12.0 | 27-06-04-02 | ECLASS 13.0 | 27-06-04-02 |

**Environmental Product Compliance**

REACH SVHC /

**Approvals**

ROHS Conform

**Downloads**

Catalogues [Catalogues in PDF-format](#)

## CH-SMC-00.80-OVP180

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

