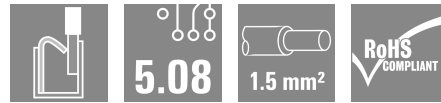
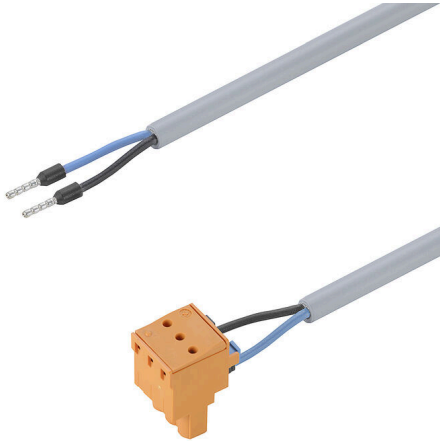


CH-SMC-00.80-ECB90**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

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, Socket connector, IP20, 600 V, KB PUR US 2X1.5 GY XX 6KV, 0.8 m |
| Order No. | 2817650080 |
| Type | CH-SMC-00.80-ECB90 |
| GTIN (EAN) | 4064675323068 |
| Qty. | 10 items |

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Technical data

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Dimensions and weights

| | | | |
|----------|--------|------------|--------|
| Diameter | 6.4 mm | Net weight | 13.5 g |
|----------|--------|------------|--------|

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

General Technical Data

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

Technical Specifications Connector

| | | |
|---------------------------------|-----------------------------------|--|
| Connector | Connector description | Connector 1 |
| | Cable entry | angled |
| | Housing main material | Plastic |
| | Number of poles | 3 |
| | Type | Female |
| | Individual components connector | BLF 5.08HC/03/90 SN OR BX SO |
| | Connector description | Connector 2 |
| | Cable entry | straight |
| | Housing main material | Plastic |
| | Number of poles | 1 |
| Individual components connector | H1.5/16S R BD GSP | |

Technical specifications for cable

| | | | |
|-------------------------------------|---------------------|-------------------------------------|---------------------------|
| Cable length | 0.8 m | Line type | KB PUR US 2X1.5 GY XX 6KV |
| Sheathing colour | grey | Resistance to oils | Yes |
| Core cross-section | 1.5 mm ² | Number of wires | 2 |
| Shielded | No | Halogen | No |
| Insulation | PP | Temperature range, moving, max. | 90 °C |
| Temperature range, moving, min. | -30 °C | Temperature range, stationary, max. | 90 °C |
| Temperature range, stationary, min. | -40 °C | Cable Material | PUR/ TPE |
| Bending radius, min., moving | 15 x cable diameter | Bending radius, min., stationary | 10 x cable diameter |
| Outside diameter | 6.4 mm ± 0.25 mm | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001576 | ETIM 9.0 | EC001576 |
| ETIM 10.0 | EC001576 | ECLASS 14.0 | 27-06-04-02 |
| ECLASS 15.0 | 27-06-04-02 | | |

Drawings

