

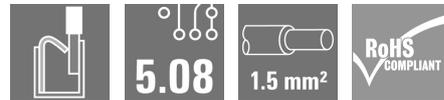
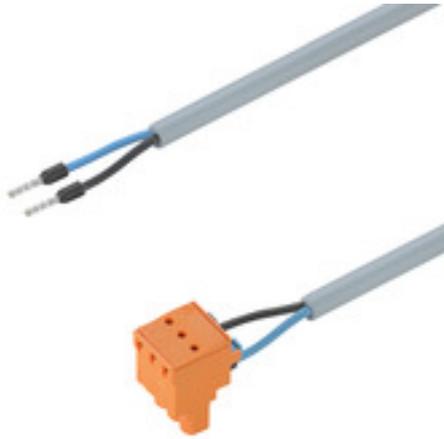
CH-SMC-00.80-ECB90**Weidmüller Interface GmbH & Co. KG**

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 pc(s).

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Technical data

Dimensions and weights

Net weight	13.5 g
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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	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

Bending radius, min., moving	15 x cable diameter	Bending radius, min., stationary	10 x cable diameter
Cable Material	PUR/ TPE	Cable length	0.8 m
Core cross-section	1.5 mm ²	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, max.	90 °C	Temperature range, moving, min.	-25 °C
Temperature range, stationary, max.	90 °C	Temperature range, stationary, min.	-40 °C

Classifications

ETIM 6.0	EC001576	ETIM 7.0	EC001576
ETIM 8.0	EC001576	ETIM 9.0	EC001576
ETIM 10.0	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	ECLASS 14.0	27-06-04-02
ECLASS 15.0	27-06-04-02		

Approvals

ROHS	Conform
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Environmental Product Compliance

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

Creation date July 10, 2025 7:59:34 PM CEST

Catalogue status 04.07.2025 / We reserve the right to make technical changes.

Data sheet

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Technical data

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

