SAIL-M12GM12G-K-5.0P

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

www.weidmueller.com

Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact A-, K-, L-, S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

General ordering data

Version	Power cable, Connecting line, M12 / M12, Number of poles : 5 (4 + PE), 5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2455250500
Type	SAIL-M12GM12G-K-5.0P
GTIN (EAN)	4050118470260
Qty.	1 pc(s).

Creation date March 17, 2023 8:39:30 AM CET

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Technical data

Dimensions and weights

Net weight	300 g

Technical specifications for cable

Acceleration	5 m/s²	Bending cycles	10 Mio
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	5 m	Colour coding	Green/yellow, black (1), black (2), black (3), black (4)
Configurable cable length	No	Core cross-section	1.5 mm²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	5 (4 + PE)
Outer cladding in accordance with UL AWM style	20939 (80 °C / 600 V)	Outside diameter	8 mm ± 0.2 mm
PE function	Yes	Resistant to welding beads	No
Sheath material	PUR	Sheathing colour	black
Shielded	No	Speed	5 m/s
Suitable for cable carriers	Yes	Temperature range, moving	-30...80 °C
Temperature range, stationary	-40...80 °C	Welding spark resistance	No

General technical data

Coding	K	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10^8 Ω	LED	No
Plugging cycles	≤ 100	Pollution severity	3
Protection degree	IP65, IP67, when screwed in	Rated current	16 A
Rated voltage	600 V	Temperature range of housing	-40 ... +85 ° C
Tightening torque	M12: 0.8 - 1.2 Nm	Version	pin, straight - socket, straight
jumpered	No		

Electrical properties

Insulation strength	10^8 Ω	Rated voltage	600 V

General standards

Certificate no. (cULus)	E257571	Connector standard	IEC 61076-2-111

Standards

Connector standard	IEC 61076-2-111

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E257571

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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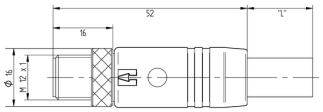
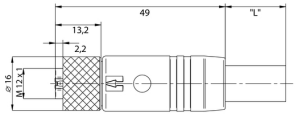
Drawings

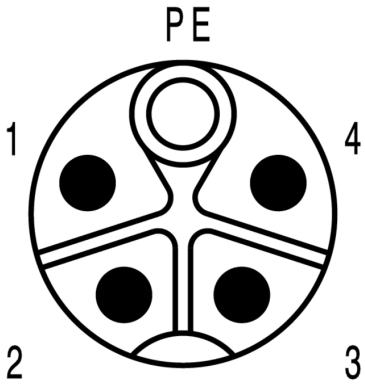
Dimensioned drawing



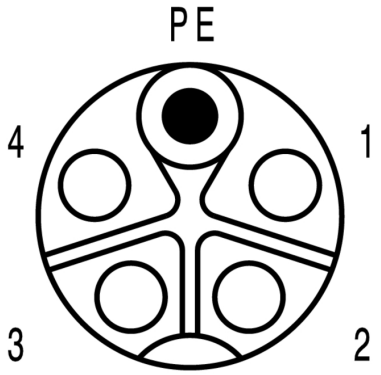
Dimensioned drawing



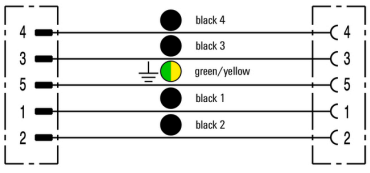
Pole scheme



Pole scheme



Wiring diagram



The ideal tool: Screwty ® with torque function