SAIL-M12W-K-10P

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, One end without connector, M12, Number of poles : 5 (4 + PE), 10 m, pin, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2455231000
Type	SAIL-M12W-K-10P
GTIN (EAN)	4050118470192
Qty.	1 pc(s).

Creation date August 16, 2024 11:23:20 AM CEST

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Technical data

Dimensions and weights

Net weight	500 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 10 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-coded	Connection thread	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 12 A	
Rated voltage	600 V	Temperature range of housing	-40 ... +85 ° C
Tightening torque	M12: 0.8 - 1.2 Nm	Version	pin, 90°
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

Plug, left

Plug left	M12, K-coded, IP67, male contact, angled 90°, Plastic, unshielded

Plug, right

Plug right	free conductor end

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Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	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	ECLASS 13.0	27-06-03-11
ECLASS 14.0	27-06-03-11		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
RoHS Compliance Status	Compliant

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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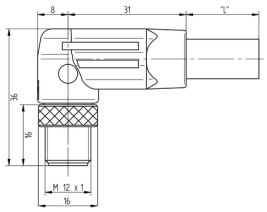
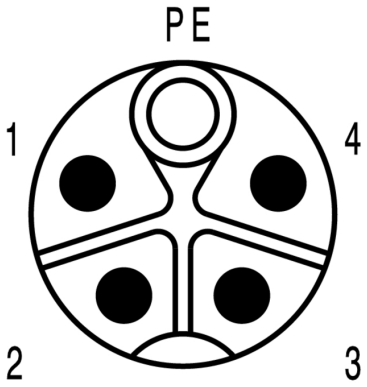
Drawings

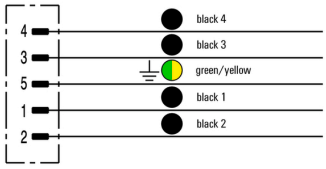
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty ® with torque function

