

SAIL-M12GM12W-K-3.0P**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), 3 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2455270300
Type	SAIL-M12GM12W-K-3.0P
GTIN (EAN)	4050118470338
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	200 g
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Technical specifications for cable

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

General technical data

Coding	K-coded	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	12 A
Rated voltage	600 V	Temperature range of housing	-40 ... +85 °C
Tightening torque	M12: 0.8 - 1.2 Nm	Version	pin, straight - socket, 90°
jumped	No		

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	600 V
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General standards

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

Connector standard	IEC 61076-2-111
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Plug, left

Plug left	M12, K-coded, IP67, male contact, straight, Plastic, unshielded
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Plug, right

Plug right	M12, K-coded, IP67, female contact, angled 90°, Plastic, unshielded
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Creation date May 11, 2025 9:11:29 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	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
ECLASS 15.0	27-06-03-11		

Environmental Product Compliance

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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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

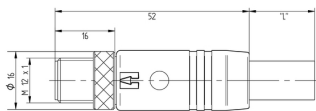
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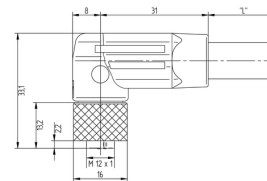
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Drawings

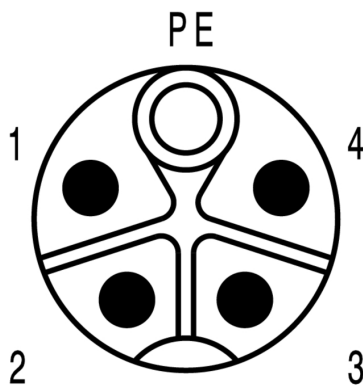
Dimensioned drawing



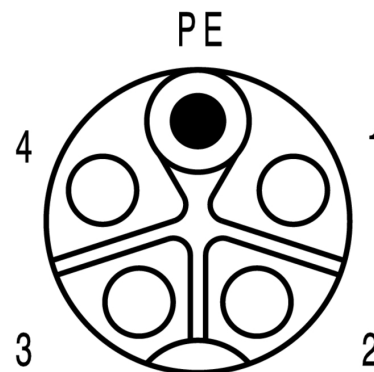
Dimensioned drawing



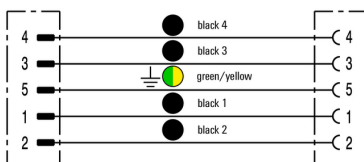
Pole scheme



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

