

SAIL-M12W-T-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, One end without connector, M12, Number of poles : 4, 3 m, pin, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2050650300
Type	SAIL-M12W-T-3.0P
GTIN (EAN)	4050118441765
Qty.	1 pc(s).

Creation date December 4, 2023 10:27:57 AM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight 200 g

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	3 m	Colour coding	black, blue, white, brown
Configurable cable length	No	Core cross-section	1.5 mm ²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	4
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	Outside diameter	9.6 mm ± 0.3 mm
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	-40...90 °C	Temperature range, stationary	-50...90 °C
Welding spark resistance	No		

General technical data

AF size	13 mm	Coding	T-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	IP67, when screwed in
Rated current	12 A	Rated voltage	63 V
Temperature range of housing	-40 ... +85 °C	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, 90°		

Electrical properties

Insulation strength 10⁸ Ω Rated voltage 63 V

General standards

Certificate no. (cULus) E310075 Connector standard IEC 61076-2-111

Standards

Connector standard IEC 61076-2-111

Plug

Plug left	Cable side	left
	Version of contact face	M12
	Coding of plug	T-coded
	Protection degree (IP)	IP67
	Gender of contact	male contact
	Outlet direction	angled 90°
	Housing main material	Plastic
	Shielding available	No
	Cable side	right
	Version of cable end [In-Block]	free conductor end

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

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Technical data

Plug right free conductor end

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	27060311

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E310075

Downloads

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

Data sheet

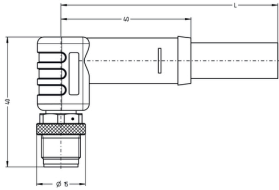
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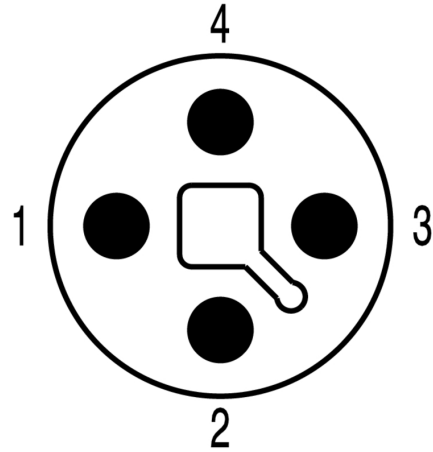
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Drawings

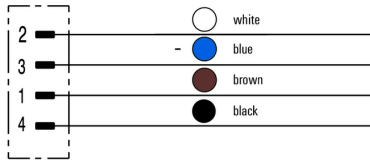
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

