Data sheet

SAIL-M12GM8W-3-1.0TOV

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

www.weidmueller.com

Product image



General ordering data

Version	Sensor/actuator line, M12 / M8, Number of poles : 3, 1 m, Connecting line, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2812850100
Type	SAIL-M12GM8W-3-1.0TOV
GTIN (EAN)	4064675341802
Qty.	1 items

Data sheet

SAIL-M12GM8W-3-1.0TOV

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

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Net weight	95 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	bd63baef-8092-4596-90c7-5b4daa22710b

Technical specifications for cable

Cable length	1 m	Sheathing colour	orange
Suitable for cable carriers	Yes	Core cross-section	0.34 mm²
Shielded	No	Halogen	No
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Bending cycles	12 Mio	Speed	5 m/s
Sheath material	PUR	LABS-free	Yes
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Core in accordance with UL AWM style	10995 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	Yes
Colour coding	brown, blue, black	Torsion resistance	360 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	Yes
Temperature range, moving	-25...80 °C	Number of poles	3
Outside diameter	4.5 mm ± 0.2 mm		

General technical data

Coding	A-coded	Connection thread	M12 / M8
Contact surface	Gold-plated	LED	No
Version	Connecting line	Housing main material	PUR
Nominal voltage	24 V	Nominal current	4 A
AF size	12 mm	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Pollution severity	3	Threaded ring material	Diecast zinc
Temperature range of housing	-25...+85 °C		

Electrical properties

Nominal voltage	24 V

Plug, left

Plug left	M12, A-coded, IP68, male contact, straight, Plastic

Data sheet

SAIL-M12GM8W-3-1.0TOV

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

www.weidmueller.com

Technical data

Plug, right

Plug right	M8, A-coded, IP68, female contact, angled 90°, Plastic

Classifications

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

SAIL-M12GM8W-3-1.0TOV

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

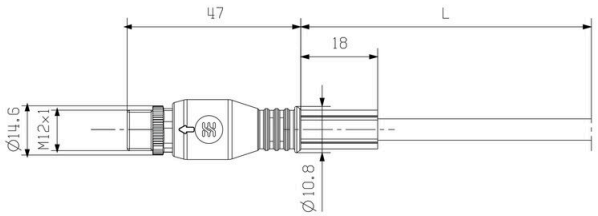
www.weidmueller.com

Drawings

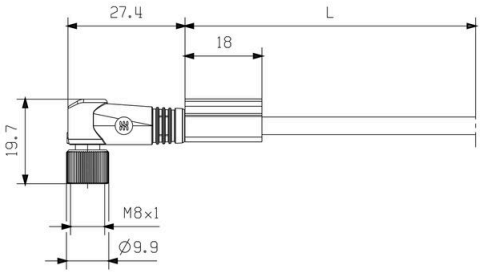
Detailed drawing



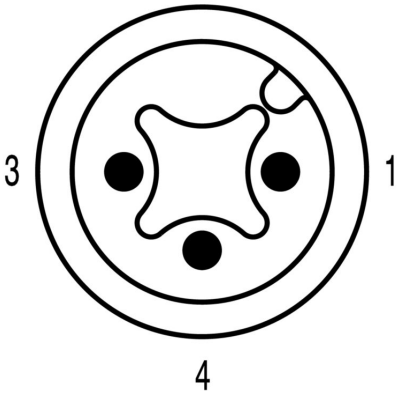
Dimensioned drawing



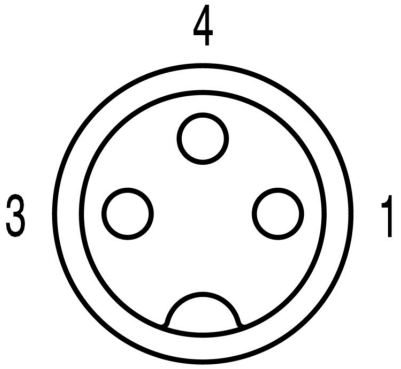
Dimensioned drawing



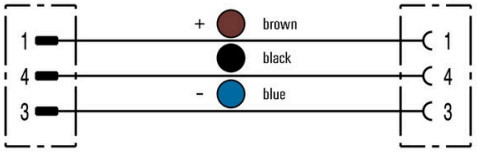
Pole scheme



Pole scheme



Wiring diagram



SAIL-M12GM8W-3-1.0TOV

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

www.weidmueller.com

Drawings

The ideal tool: Screwty ® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F