

## SAIL-M8WM8W-4S4.5U

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

### General ordering data

Version	Sensor/actuator line, M8, Number of poles : 4, 4.5 m, pin, 90&deg; - socket 90&deg;, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2443150450</a>
Type	SAIL-M8WM8W-4S4.5U
GTIN (EAN)	4050118457032
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E307231

## Dimensions and weights

Net weight	197 g
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## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

## Technical specifications for cable

Cable length	4.5 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.34 mm <sup>2</sup>
Shielded	Yes	Halogen	No
Insulation	PP	Acceleration	5 m/s <sup>2</sup>
Bending radius, min., moving	12 x conductor cross-section	Bending radius, min., stationary	5 x cable diameter
Bending cycles	2 Mio	Resistance to spread of flame	in accordance with IEC 60332-2
Speed	100 m/s	Sheath material	PUR
Configurable cable length	No	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	brown, black, blue, white	Torsion resistance	0 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Temperature range, moving	-25...80 °C	Number of poles	4
Outside diameter	5.1 mm ± 0.2 mm		

## General technical data

Coding	A-coded	Connection thread	M8
Contact surface	Gold-plated	LED	No
Version	pin, 90&deg; - socket 90&deg;	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	30 V
Nominal current	4 A	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Plugging cycles jumped	≥ 100	Pollution severity	3
Temperature range of housing	-25...+85 °C	Threaded ring material	Diecast zinc
		Tightening torque	M8: 0.6 Nm

## Electrical properties

Insulation resistance	108 Ω	Nominal voltage	30 V
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**Technical data**

**General standards**

Certificate no. (cULus) E307231

**Plug, left**

Plug left M8, IP69, male contact, angled 90°, Plastic, shielded

**Plug, right**

Plug right M8, IP69, female contact, angled 90°, Plastic, shielded

**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		

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Drawings

Dimensioned drawing



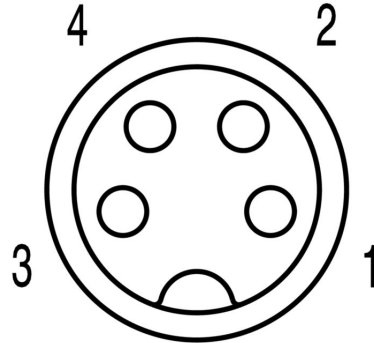
Dimensioned drawing



Pole scheme



Pole scheme



# Drawings

## Wiring diagram



## 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