

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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, Connecting line, M8 / M8, Number of poles : 3, 22 m, pin, 90° - socket 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1857672200</u>
Туре	SAIL-M8WM8W-3-22U
GTIN (EAN)	4050118456653
Qty.	1 pc(s).



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Technical data

Dim	ensions	and	weights

Net weight	593 g		
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Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	22 m
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.25 mm ²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL		Outside diameter	
AWM style	20549 (80 °C / 300 V)		4.1 mm ± 0.2 mm
, with only to	20343 (00 C / 300 V)		4.1 111111 ± 0.2 111111
Resistance to oils	in accordance with IEC 60811:404	Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2
	in accordance with IEC	Resistance to spread of flame Sheath material	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL
Resistance to oils	in accordance with IEC 60811:404		in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2
Resistance to oils Resistant to welding beads	in accordance with IEC 60811:404 No	Sheath material	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2 PUR
Resistance to oils Resistant to welding beads Sheathing colour	in accordance with IEC 60811:404 No black	Sheath material Shielded	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2 PUR No

General technical data

Coding	Α	Connection thread	M8 / M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP69, IP65, IP66	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-40 +85 ° C
Threaded ring material		Version	pin, 90° - socket
	Brass, nickel-plated		90°

Electrical properties

Insulation strength	$10^8 \Omega$	Rated voltage	60 V	

General standards

Certificate no. (cl	JLus) E307231

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55



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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	<u>FL FIELDWIRING EN</u>



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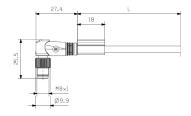
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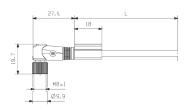
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Drawings

Dimensioned drawing

Dimensioned drawing



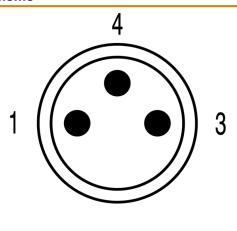


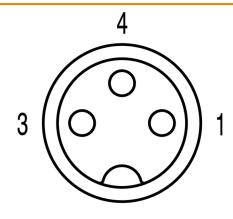
Male, angled

Angled socket

Pole scheme

Pole scheme



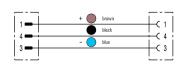


Male

Socket

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