

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.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference. Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Version	Sensor/actuator line, One end without connector,
	M12, Number of poles: 8, 5 m, pin, 90°,
	Shielded: Yes, LED: No, Sheath material: PUR,
	Halogen: No
Order No.	<u>1276060500</u>
Туре	SAIL-M12W-8S5.0U
GTIN (EAN)	4050118066302
Qty.	1 pc(s).



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Technical data

Dimensions and weights

Net weight 120 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Acceleration 5 m/s² Bending cycles 1 mill. Bending radius, min., moving 12 x cable diameter Bending radius, min., stationary 5 x cable diameter Cable length 5 m Colour coding blue, red, white, brown, green, yellow, grey, pink Configurable cable length No Core cross-section 0.25 mm² Halogen No Housing main material PUR Insulation PP Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outside diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±			
Bending radius, min., moving Bending radius, min., stationary Cable length 5 m Colour coding blue, red, white, brown, green, yellow, grey, pink Core cross-section Core cross-section Halogen No Housing main material PUR Insulation PP Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style Outer diameter Outside diameter Outside diameter Diameter Signs 12 x cable diameter 5 m 6.3 mm 5 m 6.3 mm 5 igns 1 diameter 6.3 mm	ration 5	5 m/s ²	
Bending radius, min., stationary Cable length 5 m Colour coding blue, red, white, brown, green, yellow, grey, pink Configurable cable length No Core cross-section 0.25 mm² Halogen No Housing main material PUR Insulation PP Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style Outer diameter Outside diameter Outside diameter Diameter Signs ±	g cycles 1	1 mill.	
Cable length 5 m Colour coding blue, red, white, brown, green, yellow, grey, pink Configurable cable length No Core cross-section 0.25 mm² Halogen No Housing main material PUR Insulation PP Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outside diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±	g radius, min., moving 1	ng 12 x cable diameter	
Colour coding blue, red, white, brown, green, yellow, grey, pink Configurable cable length No Core cross-section 0.25 mm² Halogen No Housing main material PUR Insulation PP Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outer diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter 5igns bliameter 6.3 mm Signs ±	g radius, min., stationary 5	nary 5 x cable diameter	
Configurable cable length No Core cross-section 0.25 mm² Halogen No Housing main material PUR Insulation PP Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outer diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±	ength 5	5 m	
Core cross-section 0.25 mm² Halogen No Housing main material PUR Insulation PP Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outer diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter biameter 6.3 mm Signs ±	coding b	blue, red, white, brown, green, yellow, grey, pi	nk
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Housing main material PUR	oss-section 0	0.25 mm ²	
Number of poles 8	n N	No	
Number of poles 8 Number of poles 8 Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outer diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±	g main material P	PUR	
Number of poles 8 Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outer diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±	on P	PP	
Outer cladding in accordance with UL AWM style 20549 (80 °C / 300 V) Outer diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±	er of poles 8	8	
AWM style Outer diameter 6.3 ± 0.2 mm Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±	er of poles 8	8	
Outside diameter 6.3 mm ± 0.2 mm Outside diameter Diameter 6.3 mm Signs ±		ce with UL 20549 (80 °C / 300 V)	
Outside diameter Diameter Signs 6.3 mm ±	liameter 6	$6.3 \pm 0.2 \text{ mm}$	
Signs ±	e diameter 6	$6.3 \text{ mm} \pm 0.2 \text{ mm}$	
	e diameter	Diameter	6.3 mm
	:	Signs	±
Tolerance 0.2 mm		Tolerance	0.2 mm
Resistant to welding beads No	nt to welding beads N	No	
Sheath material PUR	material P	PUR	
Sheathing colour black	ing colour b	black	
Shielded Yes	ed Y	Yes	
Speed 100 m/min	1	100 m/min	
Suitable for cable carriers Yes	e for cable carriers Y	Yes	
Temperature range, moving -2580 °C	rature range, moving -2	-2580 °C	
Temperature range, moving, max. 80 °C	rature range, moving, max. 8	, max. 80 °C	
Temperature range, moving, min25 °C	rature range, moving, min2	, min25 °C	
Temperature range, stationary -4080 °C	rature range, stationary -2	ary -4080 °C	
Temperature range, stationary, max. 80 °C	,,		
Temperature range, stationary, min40 °C	rature range, stationary, min4	ary, min40 °C	
Torsion resistance 360 °/m	resistance 3	360°/m	

General technical data

Coding	А	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	2 A
Rated voltage	30 V	Temperature range of housing	-25+80 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, 90°	jumpered	No



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Classifications

ETIM 6.0	EC001855	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E307231

Downloads

Engineering Data	WSCAD	



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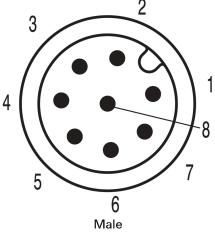
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Drawings

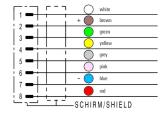
Dimensioned drawing

Pole scheme



The ideal tool: Screwty ® with torque function

Wiring diagram





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