

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, One end without connector, M12, Number of poles: 4, 3 m, pin, straight, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	<u>1925440300</u>
Туре	SAIL-M12G-4-3.0V
GTIN (EAN)	4032248570546
Qty.	1 pc(s).

Creation date March 26, 2021 8:40:50 AM CET



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Technical data

Dimensions and weights

Net weight 134 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Cable length 3 m Colour coding brown, white, blue, black Configurable cable length No Core cross-section 0.34 mm² Halogen Yes Housing main material PUR Insulation PVC Number of poles 4 Number of poles 4 Outer cladding in accordance with UL AWM style 2464 (80 °C / 300 V) Outer diameter 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Resistant to welding beads No Sheath material PVC Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving -5.80 °C Temperature range, moving, max. 80 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C<			
Configurable cable length No Core cross-section 0.34 mm² Halogen Yes Housing main material PUR Insulation PVC Number of poles 4 Outer cladding in accordance with UL AWM style 2464 (80 °C / 300 V) Outer diameter 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm Signs ± Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving, max. 80 °C Temperature range, moving, min. -5 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C	Cable length	3 m	
Core cross-section 0.34 mm² Halogen Yes Housing main material PUR Insulation PVC Number of poles 4 Number of poles 4 Outer cladding in accordance with UL. 2464 (80 °C / 300 V) AWM style 2400 ctr diameter Outer diameter 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Signs ± Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Suitable for cable carriers No Temperature range, moving, max. 80 °C Temperature range, moving, min. -5 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C	Colour coding	brown, white, blue, black	
Halogen Yes	Configurable cable length	No	
Housing main material PUR Insulation PVC Number of poles 4 Number of poles 4 Outer cladding in accordance with UL AWM style 2464 (80 °C / 300 V) AWM style 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Diameter 5.3 mm ± 0.2 mm Diameter 5.3 mm ± 0.2 mm Figure	Core cross-section	0.34 mm ²	
Insulation PVC Number of poles 4 Number of poles 4 Outer cladding in accordance with UL AWM style 2464 (80 °C / 300 V) Outer diameter 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter 5.3 mm Signs ± Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving, moving -580 °C Temperature range, moving, min. -5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min. -30 °C	Halogen	Yes	
Number of poles 4 Number of poles 4 Outer cladding in accordance with UL AWM style 2464 (80 °C / 300 V) Outs diameter 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter Diameter Signs ± Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving, max. 80 °C Temperature range, moving, max. 80 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C	Housing main material	PUR	
Number of poles 4 Outer cladding in accordance with UL AWM style 2464 (80 °C / 300 V) Outer diameter 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter Diameter 5.3 mm Signs ± Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C	Insulation	PVC	
Outer cladding in accordance with UL AWM style Outer diameter Outside diameter Diameter S.3 ± 0.2 mm Outside diameter Diameter Signs Tolerance Tolerance Sheath material PVC Sheathing colour Shielded No Suitable for cable carriers No Temperature range, moving, max. 80 °C Temperature range, stationary, min30 °C	Number of poles	4	
AWM style 5.3 ± 0.2 mm Outside diameter 5.3 mm ± 0.2 mm Outside diameter Diameter 5.3 mm Signs ± Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min. -30 °C	Number of poles	4	
Outside diameter Outside diameter Diameter Signs ± Tolerance Ouz mm Resistant to welding beads No Sheath material PVC Sheathing colour Shielded No Suitable for cable carriers No Temperature range, moving, max. 80 °C Temperature range, moving, min5 °C Temperature range, stationary, max. 80 °C	•	2464 (80 °C / 300 V)	
Outside diameter Diameter Signs 1 Tolerance O.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour Shielded No Suitable for cable carriers No Temperature range, moving, max. Temperature range, moving, min. Temperature range, moving, min. Temperature range, stationary Temperature range, stationary, max. Temperature range, stationary, max. Signs 1 2 3 5.3 mm 5.3 mm 6 2 5.3 mm 7 6 7 6 7 6 7 6 7 6 7 6 7 7 6 7 7 7 7	Outer diameter	$5.3 \pm 0.2 \text{ mm}$	
Signs ± Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min30 °C	Outside diameter	$5.3 \text{ mm} \pm 0.2 \text{ mm}$	
Tolerance 0.2 mm Resistant to welding beads No Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, moving, min5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min5 °C Temperature range, stationary, min30 °C	Outside diameter	Diameter	5.3 mm
Resistant to welding beads No Sheath material PVC Sheathing colour Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, moving, min. -5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C		Signs	±
Sheath material PVC Sheathing colour black Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, moving, min5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min5 °C Temperature range, stationary, min30 °C		Tolerance	0.2 mm
Sheathing colour Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, moving, min5 °C Temperature range, stationary -3080 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min30 °C	Resistant to welding beads	No	
Shielded No Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, moving, min5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min30 °C	Sheath material	PVC	
Suitable for cable carriers No Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, moving, min. -5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min. -30 °C	Sheathing colour	black	
Temperature range, moving -580 °C Temperature range, moving, max. 80 °C Temperature range, moving, min5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min30 °C	Shielded	No	
Temperature range, moving, max. 80 °C Temperature range, moving, min. -5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min. -30 °C	Suitable for cable carriers	No	
Temperature range, moving, min5 °C Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min30 °C	Temperature range, moving	-580 °C	
Temperature range, stationary -3080 °C Temperature range, stationary, max. 80 °C Temperature range, stationary, min30 °C	Temperature range, moving, max.		
Temperature range, stationary, max. 80 °C Temperature range, stationary, min30 °C	Temperature range, moving, min.	-5 ℃	
Temperature range, stationary, min30 °C	Temperature range, stationary	-3080 °C	
	Temperature range, stationary, max.	0° 08	
Torsion resistance 0 °/m	Temperature range, stationary, min.	-30 °C	
	Torsion resistance	0 °/m	

General technical data

AF size	12 mm	Coding	Α
Connection thread	M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 ⁸ Ω
LED	No	Plugging cycles	≥ 100
Pollution severity		Protection degree	IP65, IP66, IP67, IP68,
	3		when screwed in
Rated current	4 A	Rated voltage	250 V
Temperature range of housing	-25+80 °C	Threaded ring material	Diecast zinc
Tightening torque	M12: 0.8 - 1.2 Nm	Version	pin, straight
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	<u>STEP</u>
Engineering Data	EPLAN, WSCAD
Product Change Notification	DE - Technische Änderung zu M12 Gewindering mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting



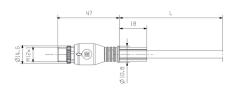
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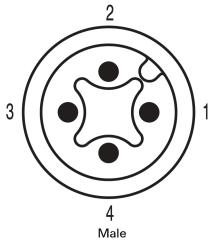
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Drawings

Dimensioned drawing

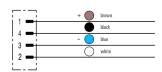


Pole scheme



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