

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

Sensor/actuator line, One end without connector,
M12, Number of poles: 5, 20 m, Socket, angled,
Shielded: Yes, LED: No, Sheath material: PUR,
Halogen: No
1906542000
SAIL-M12BW-5S20U
4050118451559
1 pc(s).



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Technical data

Dimensions and weights			
Net weight	900 g		
Technical specifications for ca	able		
Acceleration	5 m/s ²	Bending cycles	2 Mio
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	20 m	Colour coding	blue, white, brown, grey black
Configurable cable length	No	Core cross-section	0.34 mm ²
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Halogen	No
Hydrolysis and microbe resistant	Yes	Insulation	PP
rradiation crosslinked	No	LABS-free	Yes
Number of poles	5	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Outside diameter	5.7 mm ± 0.2 mm	Resistance to oils	in accordance with IEC 60811:404
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC	Resistant to welding beads	
	60332-2-2	Cl. di	No
Sheath material	PUR	Sheathing colour	black
Shielded	Yes	Speed	200 m/s
Suitable for cable carriers Temperature range, stationary	Yes -4080 °C	Temperature range, moving Torsion resistance	-2580 °C 0 °/m
Welding spark resistance	No C	Torsion resistance	0 /111
General technical data			
Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	Housing main material LED	PUR
Insulation strength	10 ⁸ Ω		No
Plugging cycles Protection degree	≥ 100 IP65, IP66, IP67, IP68, when screwed in	Pollution severity Rated current	3 4 A
Rated voltage	60 V	Temperature range of housing	-25+85 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Socket, angled	jumpered	No
Electrical properties	- , <u>J</u>	, ,	
Insulation strength	10 ⁸ Ω	Rated voltage	cov
General standards	ΙΟ Ω	Hated Voltage	60 V
General Standards			
Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-101
Standards			
Connector standard	IEC 61076-2-101		
Plug, left			
Plug left	M12, A-coded, IP69, fe- male contact, angled 90°, Plastic, shielded		



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Technical data

Plug, right

Plug right	free conductor end				
Classifications					
ETIM 6.0	EC001855	ETIM 7.0	EC001855		
ETIM 8.0	EC001855	ETIM 9.0	EC001855		
ETIM 10.0	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		
FCLASS 13 O	27-06-03-11	FCLASS 14 O	27.06.02.11		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

ECLASS 15.0

Approvals



27-06-03-11

Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/		
ROHS	Conform		
UL File Number Search	UL Website		
Certificate no. (cULus)	E307231		

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN



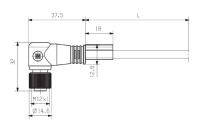
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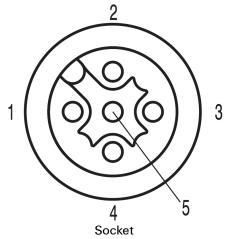
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Drawings

Dimensioned drawing

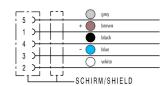


Pole scheme



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