

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, M8, Number of poles: 4, 20 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>9456152000</u>
Туре	SAIL-M8BW-4-20U
GTIN (EAN)	4032248919567
Qty.	1 pc(s).

Creation date March 30, 2021 1:13:02 AM CEST



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Dimensions and weights

Net weight 512 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Acceleration	5 m/s ²			
Bending cycles	12 Mio			
Bending radius, min., moving	10 x cable diameter			
Bending radius, min., stationary	5 x cable diameter			
Cable length	20 m			
Colour coding	brown, white, 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			
Housing main material	PUR			
Hydrolysis and microbe resistant	Yes			
Insulation	PP			
LABS-free	Yes			
Number of poles	4			
Number of poles	4			
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)			
Outer diameter	$4.4 \pm 0.2 \text{ mm}$			
Outside diameter	4.4 mm ± 0.2 mm			
Outside diameter	Diameter 4.4 mm			
	Signs ±			
	Tolerance 0.2 mm			
Resistance to oils	in accordance with IEC 60811:404			
Resistance to spread of flame	In accordance with UL1581 UL/ CUL FT1, in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2			
Resistant to welding beads	No			
Sheath material	PUR			
Sheathing colour	black			
Shielded	No			
Speed	5 m/s			
Suitable for cable carriers	Yes			
Temperature range, moving	-2580 °C			
Temperature range, moving, max.	80 °C			
Temperature range, moving, min.	-25 °C			
Temperature range, stationary	-4080 °C			
Temperature range, stationary, max.	80 °C			
Temperature range, stationary, min.	-40 °C			
Torsion resistance	360 °/m			



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

General technical data

AF size	12 mm	Coding	none
Connection thread	M8	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	30 V
Temperature range of housing	-25+80 °C	Threaded ring material	Nickel-plated CuZn
Tightening torque	M8: 0.5 - 0.6 Nm	Version	Socket, angled
jumpered	No		

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



UL File Number Search E307231

Downloads

Engineering Data STEP



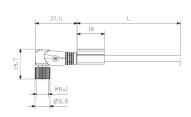
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

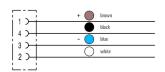
Drawings

Dimensioned drawing

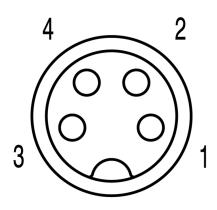


Angled socket

Wiring diagram



Pole scheme



Socket

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