

#### 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, 25 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9457852500
Туре	SAIL-M8BG-4-25U
GTIN (EAN)	4032248718788
Qty.	1 pc(s).

Creation date March 30, 2021 1:51:08 AM CEST



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# **Technical data**

## **Dimensions and weights**

Net weight 648 g

## **Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

## **Technical specifications for cable**

Acceleration	5 m/s <sup>2</sup>		
Bending cycles	12 Mio		
Bending radius, min., moving	10 x cable diameter		
Bending radius, min., stationary	5 x cable diameter		
Cable length	25 m		
Colour coding	brown, white, blue, black		
Configurable cable length	No		
Core cross-section	0.25 mm <sup>2</sup>		
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 ± 0.2 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 UL 1581 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.	2° 08		
Temperature range, moving, min.	-25 ℃		
Temperature range, stationary	-4080 °C		
Temperature range, stationary, max.	2° 08		
	40.00		
Temperature range, stationary, min.	-40 °C		



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# **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 <sup>8</sup> 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	Diecast zinc
Tightening torque	M8: 0.5 - 0.6 Nm	Version	Female socket, straight
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



ROHS	Conform	
UL File Number Search	E307231	

## **Downloads**

Engineering Data	<u>STEP</u>	
Engineering Data	EPLAN, WSCAD	



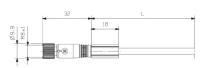
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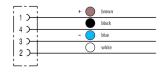
## **Drawings**

## **Dimensioned drawing**

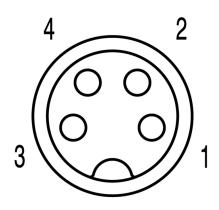


Straight socket

#### 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