

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

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, M8, Number of poles : 4, 8 m, pin, 90° - socket 90°, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No		
Order No.	<u>2443150800</u>		
Туре	SAIL-M8WM8W-4S8.0U		
GTIN (EAN)	4050118457100		
Qty.	1 pc(s).		



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

# **Technical data**

Dimensions and weights			
Net weight	337 g		
Environmental Product Comp			
REACH SVHC		SCIP	e8d8af70-4c85-4483-
nLACIT 3VIIC	Lead 7439-92-1	SCIF	bc8c-9bc5b598e2a9
Technical specifications for c	able		
Acceleration	5 m/s <sup>2</sup>	Bending cycles	2 Mio
Bending radius, min., moving	12 x conductor cross- section	Bending radius, min., stationary	5 x cable diameter
Cable length	8 m	Colour coding	brown, black, blue, whit
Configurable cable length	No	Core cross-section	0.34 mm <sup>2</sup>
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	4
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	5.1 mm ± 0.2 mm
Resistance to spread of flame	in accordance with IEC 60332-2	Resistant to welding beads	No
Sheath material	PUR	Sheathing colour	black
Shielded	Yes	Speed	100 m/min
Suitable for cable carriers	Yes	Temperature range, moving	-2580 °C
Temperature range, stationary  Welding spark resistance	-4080 °C No	Torsion resistance	0 °/m
General technical data			
Coding	Α	Connection thread	M8
Contact surface	Gold-plated	Housing main material	PUR
nsulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Rated current	4 A
Rated voltage	30 V	Temperature range of housing	-40 +85 ° C
Threaded ring material	Diecast zinc	Tightening torque	M8: 0.5 - 0.6 Nm
Version	pin, 90° - socket 90°	jumpered	No
Electrical properties			
Insulation strength	10 <sup>8</sup> Ω	Rated voltage	30 V
General standards			
Certificate no. (cULus)	E307231		
Classifications			
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

# **Technical data**

#### **Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

#### **Downloads**

Catalogues	Catalogues in PDF-format	
Brochures	FL FIELDWIRING EN	



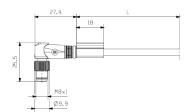
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

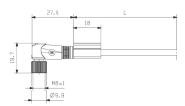
www.weidmueller.com

# **Drawings**

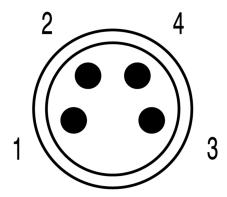
### **Dimensioned drawing**



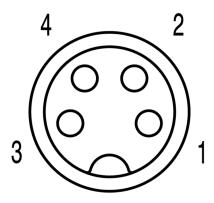
# **Dimensioned drawing**



#### Pole scheme

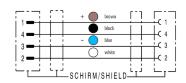


#### Pole scheme



### Wiring diagram

The ideal tool: Screwty <sup>® with torque function</sup>





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

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

<u>Weidmuller</u>: 2443150800