

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, Connecting line, M12 / M12, Number of poles : 3, 1.5 m, pin, 90° - socket 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1061910150</u>
Туре	SAIL-M12WM12W-3B-1.5U
GTIN (EAN)	4032248811342
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2025-11-29T00:00:00+01:00



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Approvals

Approvala	9000an 900a	120
Approvals		
	<i>,</i> , ,	r(UI) lie
		U L US
		LISTED

ROHS	Conform	
UL File Number Search	<u>UL Website</u>	
Certificate no. (cULus)	E307231	

Dimensions and weights

Net weight 62 g

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

Technical specifications for cable

Cable length	1.5 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.34 mm ²	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s ²	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	12 Mio
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2	Speed	5 m/s
Sheath material	PUR	Configurable cable length	Yes
LABS-free	Yes	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	brown, blue, black	Torsion resistance	360 °/m
Temperature range, stationary	-4080 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-2580 °C
Length of torsion	1 m	Number of poles	3
Outside diameter	4.3 mm ± 0.2 mm		

General technical data

Coding	B-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, 90° - socket 90°	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	250 V
Nominal current	4 A	AF size	12 mm
Protection degree	IP65, IP66, IP67, IP68, IP69, when screwed in	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Diecast zinc	Temperature range of housing	-25+85 °C
Shock and vibration proof according to	Section B	Tightening torque	M12: 0.8 - 1.2 Nm

Creation date 11.11.2025 02:32:09 MEZ







Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Electrical properties			
Insulation resistance	108 Ω	Nominal voltage	250 V
General standards			
Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231
Standards			
Connector standard	IEC 61076-2-101	Shock and vibration proof according to	Section B
Plug, left			
Plug left	M12, B-coded, IP69, male contact, angled 90°, Plastic, unshielded		
Plug, right			
Plug right	M12, B-coded, IP69, female contact, angled 90°, Plastic, unshielded		
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
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		



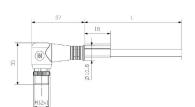
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

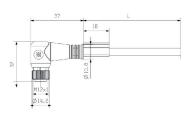
www.weidmueller.com

Drawings

Dimensioned drawing



Dimensioned drawing



Male, angled

Angled socket

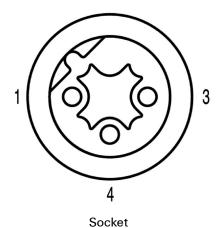
Pole scheme



Male

4

Pole scheme







Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Drawings

Wiring diagram

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



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Accessories

Cutting tools



Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

 Type
 KT 8
 Version

 Order No.
 9002650000
 Cutting tools, Cutting tool for one-hand operation

 GTIN (EAN)
 4008190020163

 Qty.
 1 ST

Tools



Sheathing stripper for PVC cables

General ordering data

Type AM 12 Version
Order No. 9030060000 Tools, Sheathing strippers
GTIN (EAN) 4008190337827
Oty. 1 ST

Screwty® cable gland tool with torque function



The ideal tool for any application Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Accessories

General ordering data

Type	SCREWTY-M12-DM	Version
Order No.	1900001000	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 ST	
Туре	SAI-SCREWTY BOX	Version
Type Order No.	SAI-SCREWTY BOX 1939180000	Version Bolting tool

Tools



- Stripping tools with automatic self-adjustment
- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- · Optimised ergonomic design

General ordering data

Туре	STRIPPER 6-16 RED-LINE	Version
Order No.	9203110000	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 ST	

Creation date 11.11.2025 02:32:09 MEZ



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Accessories

Blank



TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Preattachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-lnk or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Туре	TM-I 18 MC NE WS	Version
Order No.	<u>1718431044</u>	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 ST	
Туре	TM-I 18 MC NE GE	Version
Order No.	<u>1718431687</u>	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, yellow
GTIN (EAN)	4008190349028	
Qty.	320 ST	