

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, 2 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>9457390200</u>
Туре	SAIL-M12GM12W-3-2.0U
GTIN (EAN)	4032248229901
Qty.	1 pc(s).

Creation date January 30, 2022 5:27:39 PM CET

Technical data



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Dimensions and weights			
Net weight	69 g		
Environmental Product Comp	liance		
REACH SVHC	Lead 7439-92-1		
Technical specifications for c	able		
Acceleration	5 m/s²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	2 m
Colour coding	brown, blue, black	Configurable cable length	Yes
Core cross-section	0.34 mm ²	Core in accordance with UL AWM style	
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	LABS-free	Yes
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL	20233/21198 (80 °C / 300 V)	Outside diameter	4.3 mm ± 0.2 mm
AWM style 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 accordanc 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
	-2580 °C		-4080 °C
Temperature range, moving Torsion resistance	360 °/m	Temperature range, stationary	-4060 C
	300 /11		
General technical data			
AF size	12 mm	Coding	A
Connection thread	M12 / M12	Contact surface	Gold-plated
Housing main material	•	Insulation strength	10 ⁸ Ω
	PUR		
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP65, IP66, IP67, IP68, when screwed in, IP69
Rated current	4 A	Rated voltage	250 V
Shock and vibration proof according to	Section B	Temperature range of housing	-40 +85 ° C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, 90°	jumpered	No
Electrical properties			
Insulation strength	10 ⁸ Ω	Rated voltage	250 V
General standards			
Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-101

Technical data



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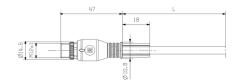
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Connector standard	IEC 61076-2-101	Shock and vibration proof according to	Section B
Classifications		Shock and vibration proor according to	
Classifications			
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11		
Approvals			
Approvals			
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ROHS	C C C C LISTE)us D	
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ROHS UL File Number Search Downloads Engineering Data	E307231 EPLAN, WSCAD DE - Technische Änderu	D D ng zu M12 Gewindering mit 6-Kant M12 nut with additional hexagonal mounting	
ROHS UL File Number Search	E307231 EPLAN, WSCAD DE - Technische Änderu	M12 nut with additional hexagonal mounting	2

Drawings

Dimensioned drawing



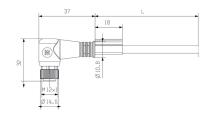


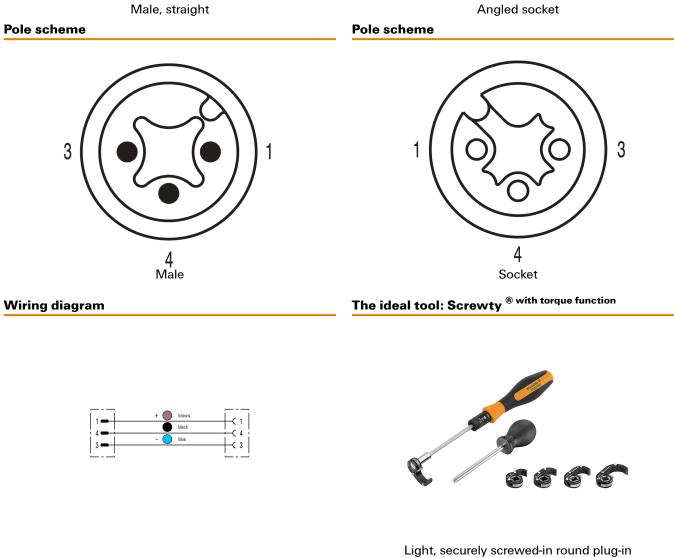
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Dimensioned drawing





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

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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 also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

Туре	KT 8	Version
Order No.	<u>9002650000</u>	Cutting tools, Cutting
GTIN (EAN)	4008190020163	
Qty.	1 pc(s).	

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-Ink 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

 Type
 TM-I 18 MC NE GE

 Order No.
 1718431687

 GTIN (EAN)
 4008190349028

 Qty.
 320 pc(s).

TM-I, Insert markers, 18 x 4 mm, yellow

tool for one-hand operation

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Version



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Accessories

Туре	TM-I 18 MC NE WS	Version
Order No.	<u>1718431044</u>	TM-I, Insert markers, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 pc(s).	

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.

General ordering data

Туре	SAI-SCREWTY BOX	Version
Order No.	<u>1939180000</u>	Bolting tool
GTIN (EAN)	4032248615506	
Qty.	1 pc(s).	
Туре	SCREWTY-M12-DM	Version
Type Order No.	SCREWTY-M12-DM 1900001000	Version Cable gland tool for moulded M12 lines

Tools



Sheathing stripper for PVC cables

General ordering data

Туре	AM 12	Version
Order No.	<u>9030060000</u>	Tools, Sheathing strippers
GTIN (EAN)	4008190337827	
Qty.	1 pc(s).	



Tools





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- · 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.	<u>9203110000</u>	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 pc(s).	

Mouser Electronics

Authorized Distributor

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

Weidmuller: 9457390200