

#### 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, M8 / M8, Number of poles : 3, 0.3 m, pin, angled - bush straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1073020300</u>
Туре	SAIL-M8WM8G-3-3.0U
GTIN (EAN)	4032248831210
Qty.	1 pc(s).

Creation date January 20, 2022 7:11:22 AM CET



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# **Technical data**

Net weight	82 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 cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	0.3 m
Colour coding	brown, 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	Hydrolysis and microbe resistant	Yes
Insulation	PP	Length of torsion	1 m
Number of poles	3	Outer cladding in accordance with UL AWM style	20233/21198 (80 °C / 300 V)
Outside diameter	4.1 mm ± 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, stationary	-4080 °C	Torsion resistance	360 °/m

#### **General technical data**

Coding	Α	Connection thread	M8 / M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in, IP69	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-40 +85 ° C
Threaded ring material	Brass, nickel-plated	Tightening torque	M8: 0.5 - 0.6 Nm
Version	pin, angled - bush straight	jumpered	No

#### **Electrical properties**

10 12 hated votage 60 V
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### **General standards**

Certificate no. (COLus) E307231 Connector standard IEC 0 1070-2	Certificate no. (cULus	) E307231	Connector standard	IEC 61076-2-104	1
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### **Standards**

Connector standard	IEC 61076-2-104	



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# **Technical data**

#### 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



ROHS Conform

#### **Downloads**

Catalogues	Catalogues in PDF-format	
Brochures	<u>FL FIELDWIRING EN</u>	



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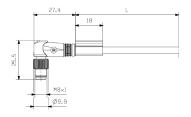
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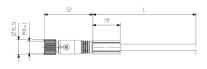
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## **Drawings**

### **Dimensioned drawing**

## Dimensioned drawing



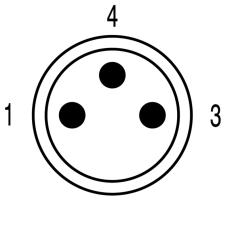


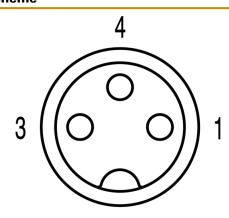
Straight socket

Male, angled

Pole scheme

#### Pole scheme



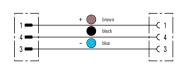


Male

Socket

### 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



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### **Accessories**

#### 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
Order No.	<u>1900001000</u>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 pc(s).	

#### **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

	<del></del>	
Туре	STRIPPER 6-16 RED-LINE	Version
Order No.	9203110000	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 pc(s).	



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### **Accessories**

#### **Tools**



Sheathing stripper for PVC cables

#### **General ordering data**

Type AM 12

Order No. 9030060000

GTIN (EAN) 4008190337827

1 pc(s).

Tools, Sheathing strippers

1000, 0100011119 0011pp

#### **Blank**

Qty.



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**

Type TM-I 18 MC NE WS
Order No. 1718431044
GTIN (EAN) 4008190349011
Qty. 320 pc(s).

Version

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



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## **Accessories**

Type TM-I 18 MC NE GE
Order No. 1718431687
GTIN (EAN) 4008190349028

320 pc(s).

Version

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

#### **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**

Type KT 8
Order No. 9002650000
GTIN (EAN) 4008190020163
Oty. 1 pc(s).

Version

Cutting tools, Cutting tool for one-hand operation

# **Mouser Electronics**

**Authorized Distributor** 

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

<u>Weidmuller</u>: 1073020300