

**SAIL-M12BG-4-30TOV**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**



**General ordering data**

Version	Sensor/actuator line, M12, Number of poles : 4, 30 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2812523000</a>
Type	SAIL-M12BG-4-30TOV
GTIN (EAN)	4099987321860
Qty.	1 items

## SAIL-M12BG-4-30TOV

Weidmüller Interface GmbH &amp; 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

## Dimensions and weights

Net weight 956 g

## Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

SCIP bd63baef-8092-4596-90c7-5b4daa22710b

## Technical specifications for cable

Cable length	30 m	Sheathing colour	orange
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.34 mm <sup>2</sup>	Number of wires	4
Shielded	No	Halogen	No
Insulation	TPE	Bending radius, min., moving	7.5 x cable diameter
Bending radius, min., stationary	4 x cable diameter	Bending cycles	10 Mio
Resistance to spread of flame	in accordance with IEC 60332-1-2	Sheath material	PUR
Configurable cable length	No	LABS-free	Yes
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Core in accordance with UL AWM style	10995 (80 °C / 300 V)
Hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	Yes	Colour coding	brown, white, blue, black
Torsion resistance	360 °/m	Temperature range, stationary	-40...105 °C
Resistant to welding beads	Yes	Temperature range, moving	-30...105 °C
Number of poles	4	Outside diameter	4.9 mm ± 0.2 mm

## General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Female socket, straight	Housing main material	PUR
Contact material	Copper alloy	Nominal voltage	250 V
Nominal current	4 A	AF size	12 mm
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Pollution severity	3
Threaded ring material	Diecast zinc	Temperature range of housing	-25...+85 °C

## Electrical properties

Nominal voltage 250 V

**SAIL-M12BG-4-30TOV**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**General standards**

Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231
--------------------	-----------------	-------------------------	---------

**Standards**

Connector standard	IEC 61076-2-101
--------------------	-----------------

**Plug, left**

Plug left	M12, A-coded, Number of poles: 4, male contact, straight, plug, unshielded
-----------	--

**Plug, right**

Plug right	Free conductor end
------------	--------------------

**Classifications**

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

**SAIL-M12BG-4-30TOV**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Drawings**

**Detailed drawing**



**Dimensioned drawing**



**Pole scheme**



**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

## SAIL-M12BG-4-30TOV

**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.	<a href="#">9002650000</a>	Version	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.	<a href="#">9030060000</a>	Version	Tools, Sheathing strippers
GTIN (EAN)	4008190337827		
Qty.	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.

## SAIL-M12BG-4-30TOV

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

### General ordering data

Type	SCREWTY-M12-DM	Version
Order No.	<a href="#">1900001000</a>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 ST	
Type	SAI-SCREWTY BOX	Version
Order No.	<a href="#">1939180000</a>	Bolting tool
GTIN (EAN)	4032248615506	
Qty.	1 ST	

### 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

Type	STRIPPER 6-16 RED-LINE	Version
Order No.	<a href="#">9203110000</a>	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 ST	

**SAIL-M12BG-4-30TOV**

**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. Pre-attachment 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 WS	Version
Order No.	<a href="#">1718431044</a>	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 ST	
Type	TM-I 18 MC NE GE	Version
Order No.	<a href="#">1718431687</a>	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, yellow
GTIN (EAN)	4008190349028	
Qty.	320 ST	