

**Industrial Ethernet  
IE-PS-M12X-S-FH**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



M12 X type cat. 6A plug can be assembled on-site with quick connection system

**General ordering data**

Type	IE-PS-M12X-S-FH
Order No.	<a href="#">1516330000</a>
Version	Sockets prefabricated to customer spec., M12, Insulation displacement technology, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), IP67
GTIN (EAN)	4050118323788
Qty.	1 pc(s).

Creation date May 4, 2020 2:07:04 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

**Industrial Ethernet  
IE-PS-M12X-S-FH**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**
**Dimensions and weights**

Net weight 23 g

**Temperatures**

Operating temperature, max. 85 °C      Operating temperature, min. -40 °C  
Operating temperature -40 °C...85 °C

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**General Info**

Connection 1	M12	Connection 2	Insulation displacement technology
Number of poles	8	Housing main material	Zinc diecast
Insulation cross-section, max.	1.6 mm	Category	Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010)
Connection thread	M12	Contact material	Brass
Contact surface	Gold-plated	Connection diameter, solid	0.4...0.64 mm
Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22	Connection diameter, flexible	0.48...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 26...AWG 22	Sheath diameter, min.	5 mm
Sheath diameter, max.	9.7 mm	Contact holder materials	PA
Shielding	360° all-round enclosure	Protection degree	IP67
Plugging cycles	≥ 100		

**Electrical properties**

Current-carrying capacity at 50 °C 0.5 A @ 40 °C      Insulation strength 100 MΩ  
PoE / PoE+ conforming to IEEE 802.3at      Rated voltage 48 V

**General standards**

Certificate no. (cULus) E316369      Connector standard IEC 61076-2-109

**Classifications**

ETIM 6.0	EC002635	ETIM 7.0	EC002635
eClass 9.0	27-44-01-02	eClass 9.1	27-44-01-03
eClass 10.0	27-44-01-02		

**Approvals**

Approvals



ROHS Conform

**Industrial Ethernet  
IE-PS-M12X-S-FH**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data****Downloads**

---

Approval/Certificate/Document of Conformity	<a href="#">DUXR.E316369</a> <a href="#">CC Link IE Field M12-X</a>
Brochure/Catalogue	<a href="#">CAT 9 IETH 18/19 EN</a> <a href="#">MB FREECONTACT EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Manual</a>

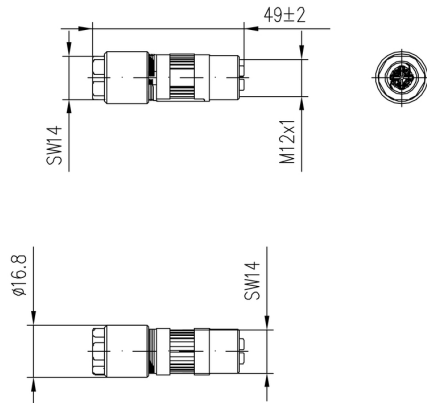
---

**Industrial Ethernet  
IE-PS-M12X-S-FH**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Drawings**

**Dimensioned drawing**



**Industrial Ethernet  
IE-PS-M12X-S-FH**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Accessories**

**Tool**



Tools for stripping the sheathing from uncut power lines and outlet lines, plus screwdrivers for installing Pick-to-Light components.

**General ordering data**

Type	SCREWTY SET -DM	Version
Order No.	<a href="#">1920000000</a>	Tools, Bolting tool
GTIN (EAN)	4032248436859	
Qty.	1 pc(s).	

**Screwty® cable gland tool**



**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**

Type	SCREWTY SET	Version
Order No.	<a href="#">1910000000</a>	Tools, Bolting tool
GTIN (EAN)	4032248436842	
Qty.	1 pc(s).	
Type	SCREWTY- M12 F	Version
Order No.	<a href="#">1900020000</a>	Tools, Cable gland tool for M12 connectors
GTIN (EAN)	4032248375851	
Qty.	1 pc(s).	

**Industrial Ethernet  
IE-PS-M12X-S-FH**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**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**

Type	SCREWTY-M12 F-DM	Version	
Order No.	<a href="#">1900021000</a>	Tools, Cable gland tool for M12 connectors	
GTIN (EAN)	4032248436828		
Qty.	1 pc(s).		