

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com





M12 X-type Cat 6 A field-assembled connectors and PCB sockets

General ordering data

Version	Plug-in connector, M12, IDC, Cat.6A / Class EA (ISO/IEC 11801 2010), IP67 plugged
Order No.	<u>1516340000</u>
Туре	IE-BS-M12X-S-FH
GTIN (EAN)	4050118323795
Qty.	1 items





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Technical data

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ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate no. (cULus)	E316369

Dimensions and weights

Wall thickness, min.	0.9 mm	Wall thickness, max.	4 mm	
Net weight	28 g			

Temperatures

Storage temperature	Operating temperature	-40 °C85 °C
Installation temperature		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Technical data customisable plug-in connectors

Number of poles	8	Coding	X-coded
Contact surface	Gold-plated	LED	No
Type of connection	Insulation displacement connection	Housing main material	Zinc diecast
Insulation resistance	100 ΜΩ	Category	Cat.6A / Class EA (ISO/ IEC 11801 2010)
Contact material	CuZn	Conductor cross-section, max.	0.45 mm ²
Nominal voltage	48 V	Protection degree	IP67 plugged
Plugging cycles	≥ 100	Pollution severity	2

General Info

Number of poles	8	Connection 1	M12
Connection 2	IDC	Housing main material	Zinc diecast
Insulation cross-section, max.	1.6 mm	Category	Cat.6A / Class EA (ISO/ IEC 11801 2010)
Connection thread	M12	Contact material	CuZn
Contact surface	Gold-plated	Wire connection diameter, solid, min.	0.4 mm
Connection diameter, solid	0.40.64 mm	Wire connection diameter, solid, max.	0.64 mm
Conductor connection cross-section, solid (AWG)	AWG 24AWG 22	Wire cross-section, solid, min. (AWG)	AWG 24
Connection diameter, flexible	0.480.76 mm	Wire cross-section, solid, max. (AWG)	AWG 22
Conductor connection cross-section, flexible (AWG)	AWG 26AWG 22	Wire connection diameter, flexible, min.	0.48 mm
Wire connection diameter, flexible, ma	x. 0.76 mm	Wire connection cross section, finely stranded, max.	0.32 mm ²
Conductor connection cross-section, flexible	0.32 mm²	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, ma	x. AWG 22	Sheath diameter, min.	5 mm

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Technical data

Sheath diameter, max.	9.7 mm	Contact holder materials	PA
Shielding	360° all-round enclosure	Protection degree	IP67 plugged
Plugging cycles	≥ 100		
Electrical properties			
	100.140	N I I	40.17
Insulation resistance	100 ΜΩ	Nominal voltage	48 V
PoE / PoE+	conforming to IEEE 802.3at		
General standards			
Connector standard	IEC 61076-2-109	Certificate no. (cULus)	E316369
Connector standard	IEC 01070-2-109	Certificate flo. (COLus)	E310309
Standards			
Connector standard	IEC 61076-2-109		
Classifications			
ETIM 6.0	EC002635	ETIM 7.0	EC002635
ETIM 8.0	EC002635	ETIM 9.0	EC002635
ETIM 10.0	EC002635	ECLASS 9.0	27-44-01-02
ECLASS 9.1	27-44-01-03	ECLASS 10.0	27-44-01-02
ECLASS 11.0	27-44-01-02	ECLASS 12.0	27-44-01-16
ECLASS 13.0	27-44-01-02	ECLASS 14.0	27-44-01-16
ECLASS 15.0	27-44-01-16		



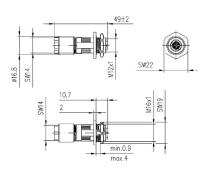
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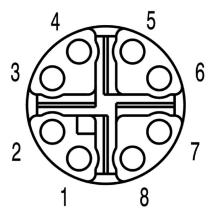
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Drawings

Dimensioned drawing

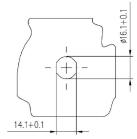


Pole scheme



Installation cut-out

t = min. 0.9 / max. 4





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Accessories

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

Туре	SCREWTY SET
Order No.	1910000000
GTIN (EAN)	4032248436842
Qtv.	1 ST

Version

Cable gland tool for M8, M12 lines and connectors

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	SCREWTY SET -DM	Version
Order No.	<u>1920000000</u>	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436859	
Qty.	1 ST	

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General ordering data

Type SCREWTY-M12 F
Order No. 1900020000
GTIN (EAN) 4032248375851
Qty. 1 ST

Version

Cable gland tool for M12 connectors

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

1 ST

Qty.

 Type
 SCREWTY-M12 F-DM
 Version

 Order No.
 1900021000
 Cable gland tool for M12 connectors

 GTIN (EAN)
 4032248436828