

IE-BS-M12X-S-FH**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.	1516340000
Type	IE-BS-M12X-S-FH
GTIN (EAN)	4050118323795
Qty.	1 pc(s).

Creation date May 23, 2024 3:55:26 AM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

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

Temperatures

Operating temperature	-40 °C...85 °C
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Technical data customisable plug-in connectors

Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Coding	X-coded
Contact material	CuZn	Contact surface	Gold-plated
Housing main material	Zinc diecast	Insulation strength	100 MΩ
Number of poles	8	Plugging cycles	≥ 100
Protection degree	IP67 plugged	Rated voltage	48 V

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	Connection diameter, solid	0.4...0.64 mm
Wire connection diameter, solid, min.	0.4 mm	Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22
Wire connection diameter, solid, max.	0.64 mm	Connection diameter, flexible	0.48...0.76 mm
Wire cross-section, solid, min. (AWG)	AWG 24	Conductor connection cross-section, flexible (AWG)	AWG 26...AWG 22
Wire cross-section, solid, max. (AWG)	AWG 22	Wire connection diameter, flexible, min.	0.48 mm
Wire connection diameter, flexible, max.	0.76 mm	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	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 plugged
Plugging cycles	≥ 100		

Electrical properties

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
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Standards

Connector standard	IEC 61076-2-109
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Technical data

Classifications

ETIM 6.0	EC002635	ETIM 7.0	EC002635
ETIM 8.0	EC002635	ETIM 9.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

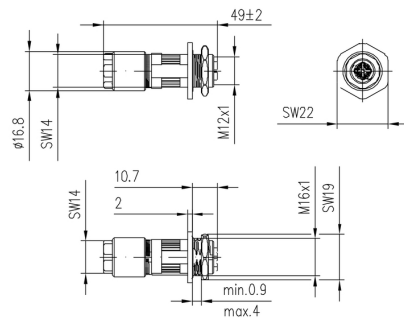
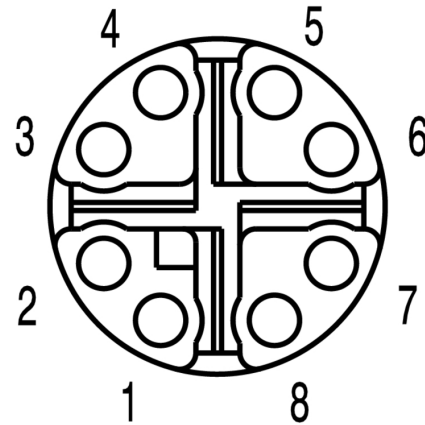
Downloads

Approval/Certificate/Document of Conformity	DUXR.E316369 CC Link IE Field M12-X PROFINET Manufacturer's Declaration
Engineering Data	CAD data – STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

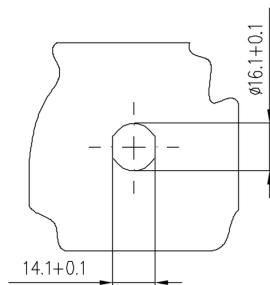
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Drawings
Dimensioned drawing

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

Type	SCREWTY- M12 F	Version	Packaging
Order No.	1900020000	Cable gland tool for M12 connectors	Cardboard box
GTIN (EAN)	4032248375851		
Qty.	1 pc(s).		
Type	SCREWTY SET	Version	Packaging
Order No.	1910000000	Cable gland tool for M8, M12 lines and connectors	Cardboard box
GTIN (EAN)	4032248436842		
Qty.	1 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

Type	SCREWTY SET -DM	Version	Packaging
Order No.	1920000000	Cable gland tool for M8, M12 lines and connectors	Cardboard box
GTIN (EAN)	4032248436859		
Qty.	1 pc(s).		
Type	SCREWTY-M12 F-DM	Version	Packaging
Order No.	1900021000	Cable gland tool for M12 connectors	Cardboard box
GTIN (EAN)	4032248436828		
Qty.	1 pc(s).		