Weidmüller ⟩Ξ

IE-BS-M12X-S-C

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

General ordering data

Order No.	2731010000
Type	IE-BS-M12X-S-C
GTIN (EAN)	4050118809282
Qty.	1 pc(s).

Weidmüller ⅂Ɛ

IE-BS-M12X-S-C

Technical data

Dimensions and weights

Wall thickness, max.	4.5 mm	Net weight	1.7 g

Temperatures

Operating temperature	-40 °C...85 °C

Technical data customisable plug-in connectors

Category	Cat.6A / Class EA (ISO/ IEC 11801 2010)	Coding	X-coded
Contact material	CuSn	Contact surface	Au (Gold), ≥ 100 MΩ
Housing main material	Brass, Copper-tin-zinc alloy	Number of poles	8
Plugging cycles	≥ 100	Protection degree	IP67 plugged

General Info

Number of poles	8	Connection 1	M12
Connection 2	M12	Description of article	Coupling
Configuration	M12 socket to M12 socket	UL 94 flammability rating	UL 94, V-0
Housing main material	Brass, Copper-tin-zinc alloy	Category	Cat.6A / Class EA (ISO/ IEC 11801 2010)
Connection thread	M12 / M12	Contact material	CuSn
Contact surface	Au (Gold), ≥ 100 MΩ	Contact holder materials	PA UL 94 V0
Shielding material	Zinc diecast, tin plated	Shielding	360° shield contact
Protection degree	IP67 plugged	Plugging cycles	≥ 100

Electrical properties

Contact resistance	≤ 5 mΩ		
Current-carrying capacity	Current-carrying capacity		0.5 A
	Temperature		40 °C
Dielectric strength, contact / contact	≥ 500 V DC		
Dielectric strength, contact / shield	≥ 500 V DC		
Operational voltage range	50 V AC, 60 V DC		
PoE / PoE+	conforming to IEEE 802.3at		

Standards

Connector standard	IEC 61076-2-109	IP protection classes	IEC 60529
UL standard for communication accessories	UL 1863		

General technical specifications

Coding	X-coded	Connection thread	M12 / M12
Contact material	CuSn	Contact surface	Au (Gold), ≥ 100 MΩ
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Plugging cycles	≥ 100	Protection degree	IP67 plugged
UL 94 flammability rating	UL 94, V-0		

Creation date June 14, 2025 7:15:07 PM CEST

IE-BS-M12X-S-C

Technical data

Classifications

ETIM 6.0	EC000313	ETIM 7.0	EC000313
ETIM 8.0	EC000313	ETIM 9.0	EC000313
ETIM 10.0	EC000313	ECLASS 9.0	27-44-01-06
ECLASS 9.1	27-44-03-90	ECLASS 10.0	27-44-01-06
ECLASS 11.0	27-44-01-06	ECLASS 12.0	27-44-03-20
ECLASS 13.0	27-44-03-20	ECLASS 14.0	27-44-03-20
ECLASS 15.0	27-44-03-20		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

Approvals

ROHS	Conform

Downloads

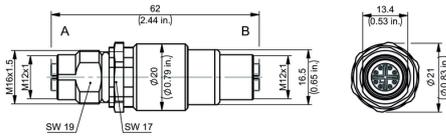|	
Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

IE-BS-M12X-S-C
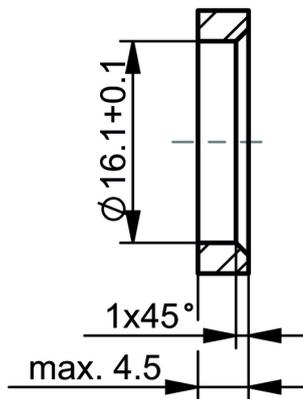
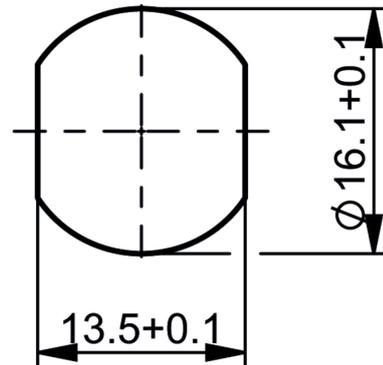**Drawings**

Dimensional drawing
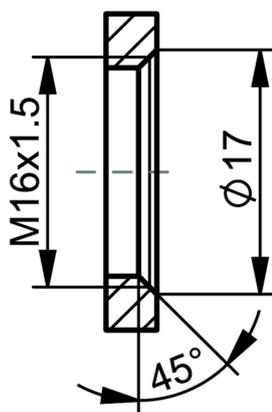
Installation cut-out

A through hole without twist protection
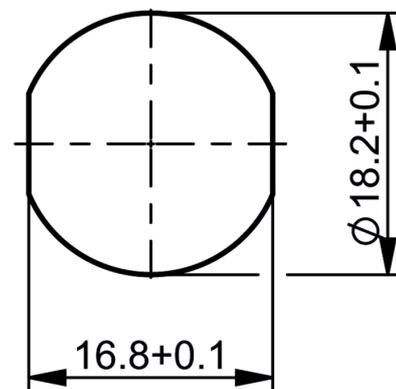
Installation cut-out

A through hole with twist protection

Installation cut-out

A threaded hole

Installation cut-out

B through hole with twist protection

Creation date June 14, 2025 7:15:07 PM CEST

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IE-BS-M12X-S-C

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 SET -DM	Version		Packaging
Order No.	1920000000	Cable gland tool for M8, M12 lines and connectors		Cardboard
GTIN (EAN)	4032248436859			box
Qty.	1 pc(s).			
Type	SCREWTY-M12 F-DM	Version		Packaging
Order No.	1900021000	Cable gland tool for M12 connectors		Cardboard
GTIN (EAN)	4032248436828			box
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- M12 F	Version		Packaging
Order No.	1900020000	Cable gland tool for M12 connectors		Cardboard
GTIN (EAN)	4032248375851			box
Qty.	1 pc(s).			
Type	SCREWTY SET	Version		Packaging
Order No.	1910000000	Cable gland tool for M8, M12 lines and connectors		Cardboard
GTIN (EAN)	4032248436842			box
Qty.	1 pc(s).			

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5