

## IE-BS-M12X-S-C

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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



### General ordering data

Order No.	<a href="#">2731010000</a>
Type	IE-BS-M12X-S-C
GTIN (EAN)	4050118809282
Qty.	1 pc(s).

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

Wall thickness, max.	4.5 mm	Net weight	1.7 g
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**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	CuSn	Contact surface	Au (Gold), $\geq 100 \text{ M}\Omega$
Housing main material	Brass, Copper-tin-zinc alloy	Number of poles	8
Plugging cycles	$\geq 100$	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), $\geq 100 \text{ M}\Omega$	Contact holder materials	PA UL 94 V0
Shielding material	Zinc diecast, tin plated	Shielding	360° shield contact
Protection degree	IP67 plugged	Plugging cycles	$\geq 100$

**Electrical properties**

Contact resistance	$\leq 5 \text{ m}\Omega$	Dielectric strength, contact / contact	$\geq 500 \text{ V DC}$
Dielectric strength, contact / shield	$\geq 500 \text{ V DC}$	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), $\geq 100 \text{ M}\Omega$
Housing main material	Brass, Copper-tin-zinc alloy	Number of poles	8
Plugging cycles	$\geq 100$	Protection degree	IP67 plugged
UL 94 flammability rating	UL 94, V-0		

**Classifications**

ETIM 6.0	EC000313	ETIM 7.0	EC000313
ETIM 8.0	EC000313	ETIM 9.0	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

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

**Approvals**

ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">PROFINET Manufacturer's Declaration</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

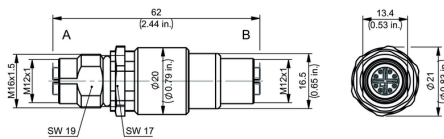
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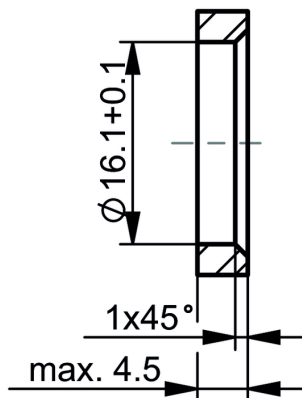
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## Drawings

### Dimensional drawing

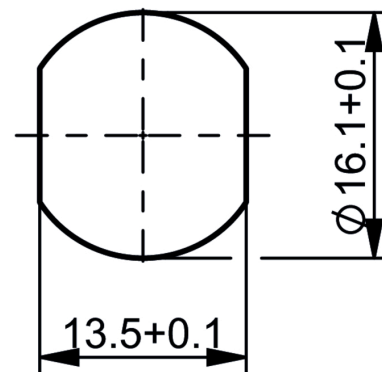


### Installation cut-out



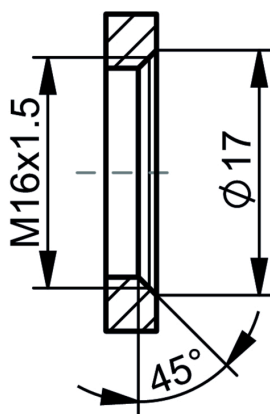
**A** through hole without twist protection

### Installation cut-out



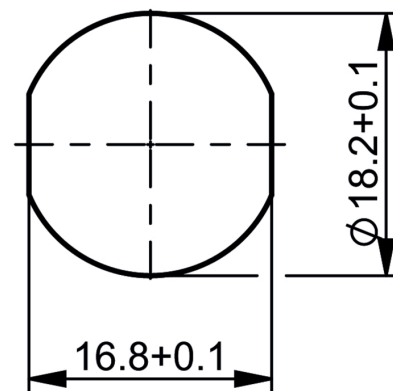
**A** through hole with twist protection

### Installation cut-out



**A** threaded hole

### Installation cut-out



**B** through hole with twist protection

## IE-BS-M12X-S-C

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