Data sheet

IE-BS-M12X-S-C

General ordering data

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

IE-BS-M12X-S-C

Weidmüller ⋺⋵

Technical data

Approvals

ROHS	Conform

Dimensions and weights

Wall thickness, max.	4.5 mm	Net weight	1.7 g

Temperatures

Storage temperature		Operating temperature	-40 °C...85 °C
Installation temperature			

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

Technical data customisable plug-in connectors

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

General Info

Number of poles	8	Connection 1	M12
Connection 2	M12	Description of article	Coupling
Composition	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		
Dielectric strength, contact / shield	≥ 500 V DC		
Dielectric strength, contact / contact	≥ 500 V DC		
Current-carrying capacity	Current-carrying capacity		0.5 A
	Temperature		40 °C
PoE / PoE+	conforming to IEEE 802.3at		
Operational voltage range	50 V AC, 60 V DC		

Standards

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

IE-BS-M12X-S-C

Technical data

General technical specifications

|			
Number of poles	8	Coding	X-coded
Connection thread	M12 / M12	Contact surface	Au (Gold), ≥ 100 MΩ
UL 94 flammability rating	UL 94, V-0	Housing main material	Brass, Copper-tin-zinc alloy
Contact material	CuSn	Protection degree	IP67 plugged
Plugging cycles	≥ 100		

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		

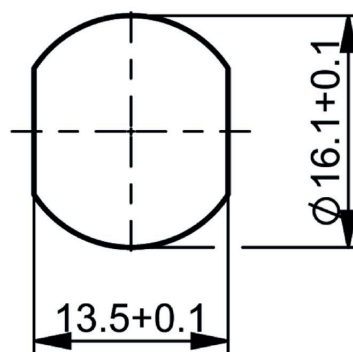# IE-BS-M12X-S-C

Drawings

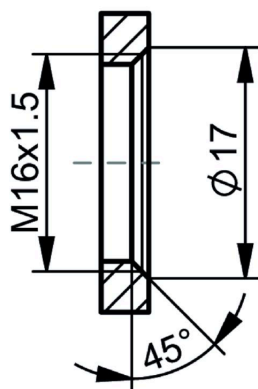**Dimensional drawing**
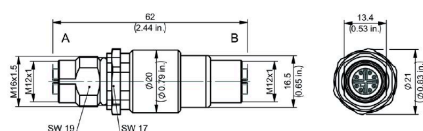
Installation cut-out
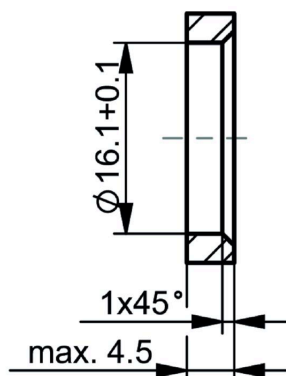
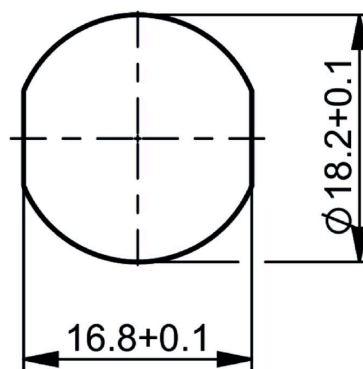A through hole without twist protection

Installation cut-out

A through hole with twist protection

Installation cut-out

A threaded hole

Installation cut-out

B through hole with twist protection

IE-BS-M12X-S-C

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
Order No.	1910000000	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436842	
Qty.	1 ST	

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
Order No.	1920000000	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436859	
Qty.	1 ST	

IE-BS-M12X-S-C

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	
Order No.	1900020000	Cable gland tool for M12 connectors	
GTIN (EAN)	4032248375851		
Qty.	1 ST		

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.	1900021000	Cable gland tool for M12 connectors	
GTIN (EAN)	4032248436828		
Qty.	1 ST		