

## IE-PCBR2-M12X-S-180

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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



### General ordering data

Version	PCB plug-in connector, M12, Solder connection, Cat.6A / Class EA (ISO/IEC 11801 2010), IP67, when screwed in, Reflow compatible, Back panel mounting
Order No.	<a href="#">1444650000</a>
Type	IE-PCBR2-M12X-S-180
GTIN (EAN)	4050118250060
Qty.	10 items

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## Technical data

## Approvals

Approvals



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

## Dimensions and weights

Wall thickness, min.	0.9 mm	Wall thickness, max.	2.5 mm
Net weight	16 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	67cf1078-beca-4687-860b-dc475a6ec24a

## Technical data of PCB plug-in connector

Number of poles	8	Coding	X-coded
Nominal voltage	48 V	Protection degree	IP67, when screwed in
Contact surface	Gold over nickel	Housing main material	CuZn
Connection thread	M12	Insulation resistance	100 MΩ
Plugging cycles	≥ 100	Contact material	Cu-alloy

## General Info

Number of poles	8	Connection 1	M12
Connection 2	Solder connection	Composition	Reflow compatible, Back panel mounting
Housing main material	CuZn	Category	Cat.6A / Class EA (ISO/IEC 11801 2010)
Connection thread	M12	Contact material	Cu-alloy
Contact surface	Gold over nickel	Shielding material	CuSn
Shielding	360° all-round enclosure	Protection degree	IP67, when screwed in
Plugging cycles	≥ 100		

## Important note

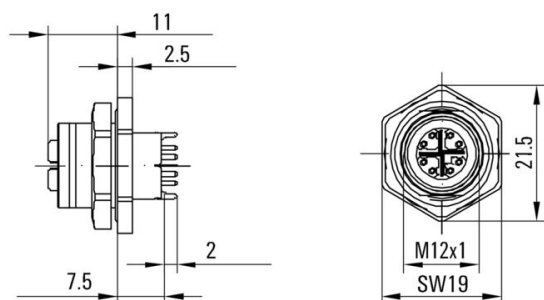
Notes

## Classifications

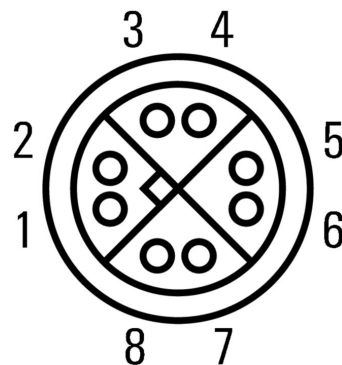
ETIM 8.0	EC003568	ETIM 9.0	EC003568
ETIM 10.0	EC003568	ECLASS 14.0	27-44-01-10
ECLASS 15.0	27-44-01-10		

## Drawings

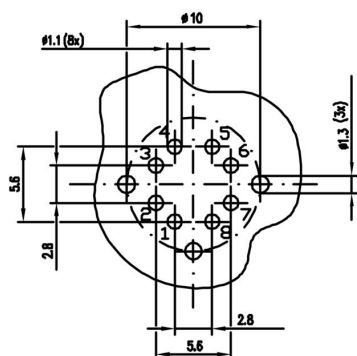
### Dimensioned drawing



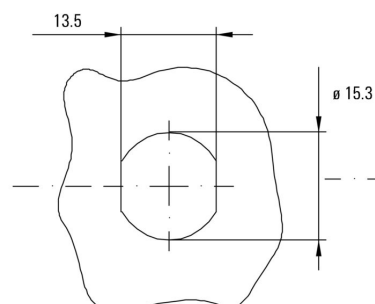
### Pinning



### Drilling template



### Installation cut-out



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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
Order No.	<a href="#">1910000000</a>	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.	<a href="#">1920000000</a>	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	Version
Order No.	<a href="#">1900020000</a>	Cable gland tool for M12 connectors
GTIN (EAN)	4032248375851	
Qty.	1 ST	

## Screwty® cable gland tool with torque function



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## General ordering data

Type	SCREWTY-M12 F-DM	Version
Order No.	<a href="#">1900021000</a>	Cable gland tool for M12 connectors
GTIN (EAN)	4032248436828	
Qty.	1 ST	