

**IE-PS-M12X-180-P-TH-CG-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The 8pole M12 Mini crimp cable connector with X-coding and 90° cable exit is with compact dimensions and 8 cable exit positions predestined for difficult installation conditions. The cable clamp version with the wide cable clamp ranges from 4 up to 9 mm plus the fully shielded housing together with the shielded strain relief is the universal fail-safe solution for all common cables on the market.

**General ordering data**

Version	Plugs prefabricated to customer spec., M12
Order No.	<a href="#">3020530000</a>
Type	IE-PS-M12X-180-P-TH-CG-E
GTIN (EAN)	4099986933569
Qty.	1 items

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## Technical data

## Dimensions and weights

Diameter	15 mm	Net weight	20 g
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## 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 customisable plug-in connectors

Number of poles	8	Coding	X-coded
Contact surface	Ni/Au	LED	No
Type of connection	Crimp connection	Housing main material	Cu alloy Ni plated
Insulation resistance	≥ 100 MΩ	Cable diameter, max.	9 mm
Cable diameter, min.	4 mm	Category	Cat. 6A
Conductor cross-section, max.	0.34 mm <sup>2</sup>	Conductor cross-section, min.	0.14 mm <sup>2</sup>
Nominal voltage	48 V	Nominal current	0.5 A
Protection degree	IP67	Plugging cycles	≥ 250
Pollution severity	3	Gender of contact	Male
Shield connection	Yes	Threaded ring material	Nickel-plated CuZn

## General Info

Number of poles	8	Connection 1	M12
Connection 2	Crimp	UL 94 flammability rating	V-0
Housing main material	Cu alloy Ni plated	Category	Cat. 6A
Connection thread	M12	Contact surface	Ni/Au
Wire connection cross section, finely stranded, min.	0.14 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	0.34 mm <sup>2</sup>
Wire cross-section, solid, min.	0.34 mm <sup>2</sup>	Wire cross-section, solid, max.	0.32 mm <sup>2</sup>
Conductor connection cross-section, flexible	0.14...0.34 mm <sup>2</sup>	Protection degree	IP67
Plugging cycles	≥ 250		

## Electrical properties

Insulation resistance	≥ 100 MΩ	Nominal voltage	48 V
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## General standards

Connector standard	IEC 61076-2-109
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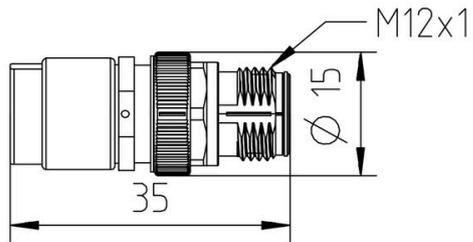
## Standards

Connector standard	IEC 61076-2-109	Fire safety for railway vehicles	EN 45545 HL3
Shock and vibration proof according to	EN 50155:2001, DIN EN 61373		

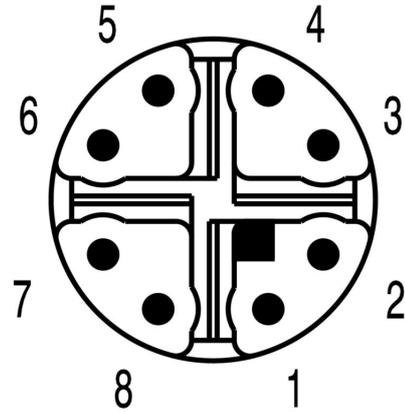
## Classifications

ETIM 8.0	EC002635	ETIM 9.0	EC002635
ETIM 10.0	EC002635	ECLASS 14.0	27-44-01-16
ECLASS 15.0	27-44-01-16		

**Dimensioned drawing**



**Pole scheme**



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## Accessories

### M12X crimp contacts

Machined precision crimp contacts for M12X



#### General ordering data

Type	IE-PIC-M12X-P-22/26	Version	
Order No.	<a href="#">2664880000</a>	Contact, without, Pin	
GTIN (EAN)	4050118765342		
Qty.	100 ST		

### ...for M12



Weidmüller offers a wide range of tools and accessories for sensor-actuator cabling.

#### General ordering data

Type	SAI-TMCSK	Version	
Order No.	<a href="#">1381690000</a>	Pressing tool, 4-indent crimp	
GTIN (EAN)	4050118183870		
Qty.	1 ST		