

**IE-PS-M12X-P-AWG22/27FH****Weidmüller Interfaces GmbH & Co. KG**

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Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems. The IDC is simple and quick to assemble since this technology allows the conductor to be inserted directly into the terminal point, without crimping or having to strip the insulation. It also has excellent functional security.

**General ordering data**

Version	Plugs prefabricated to customer spec., M12, IDC, Cat.6A / Class EA (ISO/IEC 11801 2010), IP67 plugged
Order No.	<a href="#">2007500000</a>
Type	IE-PS-M12X-P-AWG22/27FH
GTIN (EAN)	4050118392937
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Net weight	0.001 g	www.weidmueller.com
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## Temperatures

Operating temperature	-40 °C...85 °C	Operating temperature, min.	-40 °C
Operating temperature, max.	85 °C		

## Technical data customisable plug-in connectors

Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Coding	X
Contact surface	Gold-plated	Housing main material	Zinc diecast
Insulation strength	100 MΩ	Number of poles	8
Plugging cycles	≥ 100	Protection degree	IP67 plugged
Rated voltage	50 V		

## General Info

Number of poles	8	Connection 1	M12
Connection 2	IDC	Housing main material	Zinc diecast
Insulation cross-section, min.	0.9 mm	Insulation cross-section, max.	1.6 mm
Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Connection thread	M12
Contact material	Brass, tinned	Contact surface	Gold-plated
Connection diameter, solid	0.51...0.64 mm	Wire connection diameter, solid, min.	0.51 mm
Conductor connection cross-section, solid (AWG)	AWG 24/1...AWG 22/1	Wire connection diameter, solid, max.	0.64 mm
Connection diameter, flexible	0.46...0.76 mm	Wire cross-section, solid, min. (AWG)	AWG 24/1
Conductor connection cross-section, flexible (AWG)	AWG 27/7...AWG 22/7	Wire cross-section, solid, max. (AWG)	AWG 22/1
Wire connection diameter, flexible, min.	0.46 mm	Wire connection diameter, flexible, max.	0.76 mm
Wire cross-section, finely stranded, min. (AWG)	AWG 27/7	Wire cross-section, finely stranded, max. (AWG)	AWG 22/7
Conductor connection cross-section, extremely flexible	0.61...0.78 mm, Approval of the cable by Weidmüller necessary	Conductor connection diameter, very finely stranded, min.	0.61 mm
Conductor connection diameter, very finely stranded, max.	0.78 mm	Conductor connection cross-section, extremely flexible (AWG)	AWG 26...AWG 22, Approval of the cable by Weidmüller necessary
Conductor connection cross-section, very finely stranded, min. (AWG)	AWG 26	Conductor connection cross-section, very finely stranded, max. (AWG)	AWG 22
Note, very finely stranded line connection	Approval of the cable by Weidmüller necessary	Sheath diameter, min.	5.5 mm
Sheath diameter, max.	9 mm	Contact holder materials	PA
Type of mounting	Screw mounting	Shielding material	Nickel silver
Shielding	360° all-round enclosure	Protection degree	IP67 plugged
Plugging cycles	≥ 100		

## Electrical properties

Current-carrying capacity at 50 °C	0.5 A @ 40 °C	Dielectric strength, contact / contact	≥ 500 V DC
Dielectric strength, contact / shield	≥ 500 V DC	Insulation strength	100 MΩ
PoE / PoE+	conforming to IEEE 802.3at	Rated voltage	50 V
Volume resistance	<10 mΩ		

Creation date March 9, 2023 3:16:10 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Certificate no. (cULus)	E471884	Connector standard	IEC 61076-2-109
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**Standards**

Connector standard	IEC 61076-2-109
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**Classifications**

ETIM 6.0	EC002635	ETIM 7.0	EC002635
ETIM 8.0	EC002635	ECLASS 9.0	27-44-01-02
ECLASS 9.1	27-44-01-03	ECLASS 10.0	27-44-01-02
ECLASS 11.0	27-44-01-02	ECLASS 12.0	27-44-01-16

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E471884

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CC Link IE Field M12-X</a> <a href="#">PROFINET Manufacturer's Declaration</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB FREECONTACT EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">PI PROFINET CABLING EN</a>

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**Drawings****Drawing**