

IE-BS-M12X-S-FH**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

M12 X-type Cat 6_A field-assembled connectors and PCB sockets

General ordering data

Version	Plug-in connector, M12, Insulation displacement technology, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), IP67
Order No.	1516340000
Type	IE-BS-M12X-S-FH
GTIN (EAN)	4050118323795
Qty.	1 pc(s).

Creation date March 24, 2021 4:07:33 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	28 g	Wall thickness, max.	4 mm
Wall thickness, min.	0.9 mm		

Temperatures

Operating temperature	-40 °C...85 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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General Info

Connection 1	M12	Connection 2	Insulation displacement technology
Housing main material	Zinc diecast	Insulation cross-section, max.	1.6 mm
Category	Cat.6A / Class E _A (ISO/IEC 11801 2010)	Connection thread	M12
Contact material	CuZn	Contact surface	Gold-plated
Connection diameter, solid	0.4...0.64 mm	Wire connection diameter, solid, min.	0.4 mm
Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22	Wire connection diameter, solid, max.	0.64 mm
Connection diameter, flexible	0.48...0.76 mm	Wire cross-section, solid, min. (AWG)	AWG 24
Conductor connection cross-section, flexible (AWG)	AWG 26...AWG 22	Wire cross-section, solid, max. (AWG)	AWG 22
Wire connection diameter, flexible, min.	0.48 mm	Wire connection diameter, flexible, max.	0.76 mm
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, finely stranded, max. (AWG)	AWG 22
Sheath diameter, min.	5 mm	Sheath diameter, max.	9.7 mm
Contact holder materials	PA	Shielding	360° all-round enclosure
Protection degree	IP67	Plugging cycles	≥ 100

Electrical properties

Current-carrying capacity at 50 °C	0.5 A @ 40 °C	Insulation strength	100 MΩ
PoE / PoE+	conforming to IEEE 802.3at	Rated voltage	48 V

General standards

Certificate no. (cULus)	E316369	Connector standard	IEC 61076-2-109
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Classifications

ETIM 6.0	EC002635	ETIM 7.0	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

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Approvals



ROHS	Conform
UL File Number Search	E316369

Downloads

Approval/Certificate/Document of Conformity	DUXR.E316369 CC Link IE Field M12-X PROFINET Manufacturer's Declaration
Engineering Data	STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

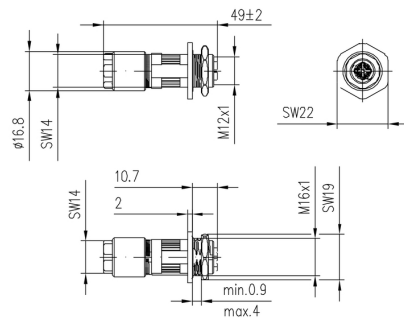
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Drawings

Dimensioned drawing



Installation cut-out

t= min. 0.9 / max. 4

