

ED-IE-AX-M12D-5-PN-67-FC**Article No.:** 21700647

Data connectors; PROFINET; Cat.5e; M 12 (D-coded); Plug; Straight (180 °)

**Details****Benefits**

- Stability thanks to die-cast zinc metal housing.
- Easy cable connection thanks to insulation displacement technology.
- Low potential for errors during assembly by conductor manager with color coding according to the PROFINET standard or EIA/TIA standard (T568A or T568B).
- Plug connections with metal housings have an electrically conductive coating. They offer optimum protection against electromagnetic interference (EMC) and dissipate interference signals with low impedance.
- When connected, protection class IP 67 can be achieved.
- UL certification in accordance with the technical data (article dependent) allows the product to be used on the North American market.

Application

- Can be used universally on machine interfaces for many applications in data and signal transmission.
- For Ethernet applications 100BASE-TX (up to 100 Mbit/s) according to IEEE 802.3.
- Shielded plug connections with metal housings are particularly suitable for environments where electromagnetic compatibility (EMC) is required.
- Good oil and chemical resistance.

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

*approval of the cable by U.I.

Remarks

Technical Data

General information

Brand	EPIC®
Product type	Data connectors
Delivery Unit	1
valid Fieldbus or Ethernet System	PROFINET

Electrical parameters

Rated voltage	60 V AC rms / DC according to IEC
Rated current	1 A according to (manufacturer specifications)
Overvoltage category	III

Product design

Shielded	Yes
Number of contacts	4
Diameter connector	0.661 in
Total length	2.047 in
Thread type	Metric
Thread size	M 12
Connector housing design	Straight
Coded	Yes
Colour coding wire manager	PROFINET®

With thread	Yes
Format of connector	M 12
Connector type	Plug
Type of coding	D-coded
Connector housing angle	180 °
For min. cable outer diameter	0.244 in
For max. cable outer diameter	0.382 in
Assembly type	Field Configurable
Connection type conductor	Insulation displacement connector
Connectable conductor cross section solid-core min. (AWG)	26 AWG
Connectable conductor cross section solid-core max. (AWG)	22 AWG
Connectable conductor cross section stranded min. (AWG)	26 AWG
Max. connectable fine-wire conductor cross-section (AWG)	22 AWG
Housing coating	Nickel-plated
Coating housing shortname	Ni
Contact coating material	Gold-plated
Contact coating material, short form	Au
Seal type	Sealing cone
Colour housing	Metal

Product features

Min. number of insertion cycles	100
IP protection rating	IP 67
Pollution degree	2
Operating temperature max.	-25 °C
Operation temperature max.	85 °C
UV-resistant	No
Vibration protection	Yes
Ethernet cable category	Cat.5e

Certifications and standards

CE marking	Yes
EAC certified	Not required
EAC certification number	Отказное письмо № 39
UL recognized	No
UL listed	Yes
cUR recognized	No
cUL listed	Yes
CSA certified	No
Product standard according to IEC	M12 according to IEC 61076-2-101

EPIC® DATA M12D

Article No.	Name	Connector type	Colour coding wire manager	Connection type conductor
21700647	ED-IE-AX-M12D-5-PN-67-FC	Plug	PROFINET®	Insulation displacement connector
21700648	ED-IE-AX-M12D-5-67	Plug	EIA/TIA 586A and EIA/TIA 586B	Insulation displacement connector
22260820	AB-C4-M12MSD-SH	Plug	TIA 568B	Insulation displacement connector
22261016	AB-C4-M12FSD-SH	Socket	EIA/TIA 586A and EIA/TIA 586B	
22262022	AB-C4-DSI-M12FSD-M12FSD-M16-SH	Socket		

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