

ED-IE-AX-M12XF-RM-6A-67-FC**Article No.:** 21700622

Data connectors; Cat.6A; M 12 (X-coded); Socket; Straight (180 °)

**Details****Benefits**

- Stability thanks to die-cast zinc metal housing.
- Easy cable connection thanks to crimping or insulation displacement technology.
- The integrated vibration protection of the connector makes it resistant to shocks and vibrations.
- UL certification according to technical data enables the product to be used on the North American market.
- When connected, protection class IP 67 can be achieved.

Application

- For use with fine and extra-fine wire conductors of classes 5 and 6.
- Can be used universally on machine interfaces for many applications in data and signal transmission.
- For highly flexible, continuously moving use in mobile machine parts and in the cable chain.
- Also suitable for EtherCAT, EtherNET/IP and 4-pair PROFINET applications.

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.

Remarks

Technical Data

General information

Product type	Data connectors
Delivery Unit	1

Electrical parameters

Rated current	0.5 A according to IEC
Overvoltage category	III

Product design

Shielded	Yes
Number of contacts	8
Total length	2.047 in
Overall width	0.555 in
Thread type	Metric
Type of housing	Control cabinet bushing
Connector housing design	Straight
Coded	Yes
Colour coding wire manager	EIA/TIA 586A and EIA/TIA 586B
With thread	Yes
Format of connector	M 12
Connector type	Socket
Type of coding	X-coded
Connector housing angle	180 °
For min. cable outer diameter	0.244 in
For max. cable outer diameter	0.382 in

Reusable	No
Assembly type	Field Configurable
Connection type conductor	Insulation displacement connector
Housing coating	Nickel-plated
Coating housing shortname	Ni
Seal type	Sealing cone

Product features

Min. number of insertion cycles	100
IP protection rating	IP 67
Pollution degree	2
Operating temperature max.	-40 °C
Operation temperature max.	80 °C
UV-resistant	No
Ethernet cable category	Cat.6A

Certifications and standards

CE marking	No
EAC certified	Not required
EAC certification number	Отказное письмо № 39
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No

EPIC® DATA M12X

Article No.	Name	Type of housing	Connector type	Connection type conductor	Connectable conductor cross section stranded min. (AWG)	Max. connectable fine-wire conductor cross-section (AWG)
21700617	ED-IE-M12F-X-FM	Flush-type connector, front wall mounting	Socket	Solder termination		
21700618	ED-IE-M12F-X-RM	Flush-type connector, rear wall mounting	Socket	Solder termination		
21700622	ED-IE-AX-M12XF-RM-6A-67-FC	Control cabinet bushing	Socket	Insulation displacement connector		
381166927	EPIC® DATA-IE-AX-M12XF-6A-67-FC	Cable connector	Socket	Insulation displacement connector	27 AWG	22 AWG
381166928	EPIC® DATA-IE-AX-M12X-6A-67-FC	Coupling connector	Plug	Insulation displacement connector	27 AWG	22 AWG
44429476	EPIC® DATA M12X8MSC	Coupling connector	Plug	Crimp termination	28 AWG	26 AWG

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