HIRSCHMANN
A BELDEN BRAND

Product: EF12L OCTOPUS

Fast Ethernet Cat5e Data Receptacle Connector: Female, rear mount, M12 - mating side, print contacts - connecting side, 4-pin, D-coded, unshielded, metallic grey housing, 50 V AC / 60 V DC, 4 A

Product Description

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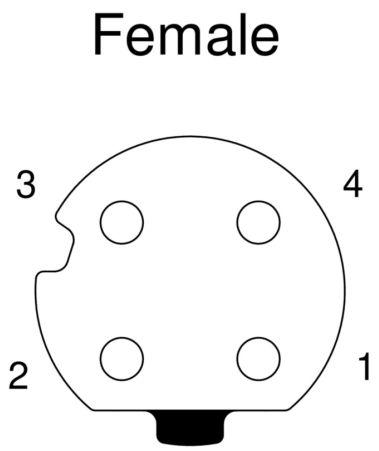
Technical Drawing



Technical Specifications

Technical Data

Product Family:	Data Connectors
Side 1 Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Print Contacts
Brand:	Hirschmann
Connector Type:	Receptacle
Side 1 Type of Contact/Gender:	Female
Connector Design:	Rear Mount
Number of Pins:	4
Coding, Side 1:	D
Attachment Type:	Screw-Locking
Voltage Rating:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	4 A
Data Transmission Rate:	Fast Ethernet Cat5e
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100

Type of Connection:	PCB
Thread Material:	CuZn
Thread Plating:	Nickel-plated
Ambient Temperature (Operation)*:	- 25 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67
Side 1 Design Standard:	In style of IEC 61076-2-101
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Blue
Flammability Class (Contact Bearer):	UL 94 V-2
Potted:	No
Housing Material:	CuZn
Housing Plating:	Nickel-plated
Housing Color:	Silver
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
O-Ring Material:	FKM

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes

Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures.
Note:	The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101.

Variants

Item #	Item Description
934451021	EF12L OCTOPUS

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