HIRSCHMANN
A BELDEN BRAND

Product: ELST 412 FA

M12 Standard Sensor/Actuator Receptacle Connector: Male, flange mount, M12 - mating side, solder contacts - connecting side, 4-pin, A-coded, unshielded, grey body, 230 V AC/DC, 4 A

Product Description

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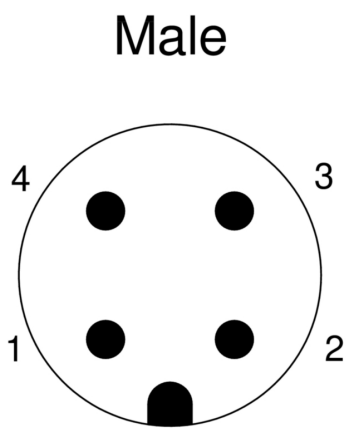
Technical Drawing



Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Solder Contacts
Brand:	Hirschmann
Connector Type:	Receptacle
Type of Contact / Gender:	Male
Connector Design:	Flange Mount
Number of Pins:	4
Coding:	A
Attachment Type:	Screw-Locking
Rated Voltage:	250 V
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 20
Type of Connection:	Solder

Suitable Conductor Cross Section:	Solid wires: 0.22 mm² to 0.5 mm² / Standed wires: 0.22 mm² to 0.38 mm²
Ambient Temperature (Operation)*:	- 25 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	In style of IEC 61076-2-101
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:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Sn
Contact Bearer Material:	PA
Contact Bearer Color:	Grey
Flammability Class (Contact Bearer):	UL 94 V-2
Potted:	No
Attachment Material:	PA
O-Ring Material:	NBR

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. Connection area must be epoxy potted.

Variants

Item #	Item Description
932328206	ELST 412 FA