



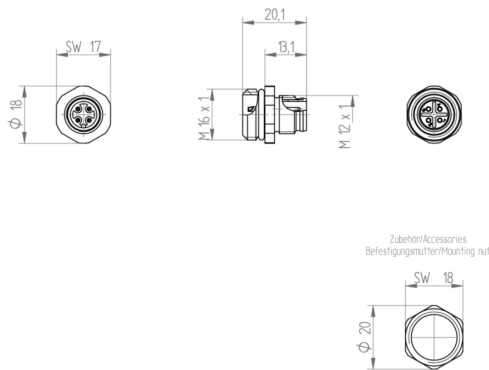
**Product:** [RSFM 4](#)

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

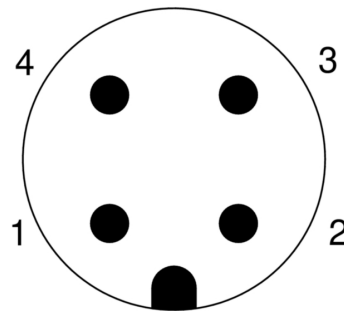
## Product Description

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## Technical Drawing



Male



## Technical Specifications

### Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Solder Contacts
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Male
Connector Design:	Front 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:	$\leq 10 \text{ m}\Omega$
Insulation Resistance:	$> 10^9 \Omega$
Mating Cycles:	$\leq 100$
Type of Connection:	Solder

Thread Size:	M16x1.5
Suitable Conductor Cross Section:	Solid wires: 0.22 mm² to 0.75 mm² / Standed wires: 0.22 mm² to 0.5 mm²
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	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/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
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
Accessories to Order Separately:	000-025-049 Mounting Nut M16x1.5

Safety & Environmental Compliance

RoHS Compliant:	yes
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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
25023	RSFM 4

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