



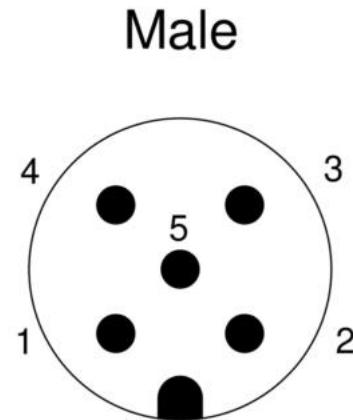
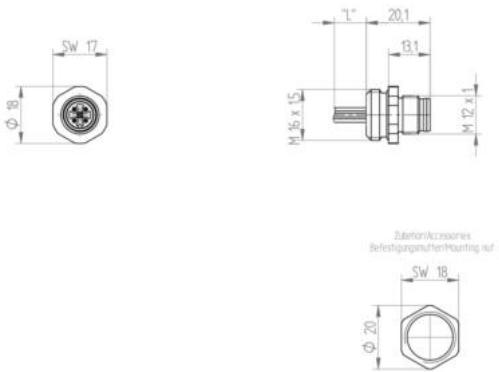
Product: [RSFM 5 M](#)

M12 Standard Sensor/Actuator Receptacle Connector: Male, front mount, M12 - mating side, stranded wires - connecting side, 5-pin, A-coded, unshielded, metallic grey housing, 50 V AC / 60 V DC, 4 A

Product Description

M12 Standard Sensor/Actuator Receptacle Connector: Male, front mount, M12 - mating side, stranded wires - connecting side, 5-pin, A-coded, unshielded, metallic grey housing, 50 V AC / 60 V DC, 4 A

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
brown	white	blue	black	green-yellow

Technical Data

Product Family:	Sensor / Actuator Connectors	
Product Sub Family:	M12 Standard	
Mating Side:	M12	
Connecting Side:	Stranded Wires	
Brand:	Lumberg Automation	
Connector Type:	Receptacle	
Type of Contact / Gender:	Male	
Connector Design:	Front Mount	
Number of Pins:	5	
Coding:	A	
Attachment Type:	Screw-Locking	
Rated Voltage:	60 V	
Rated Voltage (UL):	30 V AC/DC	
Rated Impulse Voltage:	1.5 kV	
Operating Voltage:	50 V AC / 60 V DC	
Rated Current*:	4 A	

Rated Current (UL)*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Type of Connection:	Solder
Thread Size:	M16x1.5
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Operating Temperature (UL):	max. + 50 °C
Protection Degree / IP Rating**:	IP65, IP67, IP69K
Design Standard:	Pin assignment deviating from IEC 61076-2-101 and IEC 61140
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
Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Potted:	Yes
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

Cable Data

Cable Number:	908 09 / 908 43
Conductor Size:	4x0.355 mm²+1x0.50 mm²(GNYE)
Number of Wires:	5
Conductor material:	Cu
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.55 mm ± 0.1 mm / ø 1.8 mm ± 0.1 mm (GNYE)
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
Ambient Temperature (Flex Installation):	- 20 °C - + 90 °C
UL Cable Type:	AWM: 1007+1679 (GNYE)
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL-VW1
Core Colors:	black, white, blue, brown, yellow/green

Approvals

UL-File:	E315587
UL:	cURus

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 and IP69K-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.
UL 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	Cable Length
13084	RSFM 5/0,05 M	0.05 m
5253	RSFM 5/0,14 M	0.14 m
22088	RSFM 5/0,2 M	0.2 m
26146	RSFM 5/0,5 M	0.5 m
83983	RSFM 5/1 M	1 m
108897	RSFM 5/2 M	2 m

© 2025 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.