

Product: [PP12M-MAS55A-0183](#)

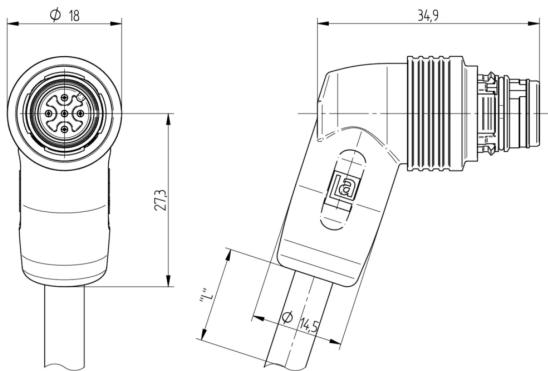


PushPull Standard Sensor/Actuator Single-Ended Cordset: M12 PushPull Standard, male, angled, 5-pin, A-coded, shielded

Product Description

Fast mounting Sensor/Actuator Single-Ended Cordset

Technical Drawing



Technical Specifications

Technical Data

Side 1 Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Male
Connector Design:	angled
Number of Pins:	5
Coding, Side 1:	A
Shielding Type:	Shielded
Attachment Type:	Inner Push Pull
Voltage Rating:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	4 A
Data Transmission Type:	-
Data Transmission Rate:	-
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 85 °C
Protection Degree / IP Rating**:	IP65, IP67

Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overtoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	PA
Shielding Material:	GD-Zn, nickel-plated

Additional Technical Data

Fastening Torque (Attachment):	PushPull
--------------------------------	----------

Cable Data

Cable Number:	183
Conductor Size:	0.34 mm²
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 8 x D
Minimal Bending Radius (Flexible Inst):	> 15 x D
Cycles (Bending):	-
Cycles (Torsion):	-
Conductor Material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	orange
Cable Diameter D:	ø 5.85 ± 0.15 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.50 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	-
Ambient Temperature (Fixed Installation):	- 30 °C - + 70 °C
Ambient Temperature (Flex Installation):	+ 5 °C - + 70 °C
Ambient Temperature (Drag Chain Inst):	-
UL Cable Type:	-
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2
Cable Characteristics:	Free of lacquer wetting disturbing substances, Exclusion of silicone
Core Colors:	brown, white, blue, black, grey

Approvals

UL-File:	-
----------	---

Safety & Environmental Compliance

RoHS Compliant:	yes
-----------------	-----

Resistances

Halogenfree:	no
--------------	----

Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.

History

Update and Revision:	Revision Number: 0.3 Revision Date: 07-21-2026
----------------------	--

Variants

Item #	Item Description	Cable Length	Rated Current
--------	------------------	--------------	---------------

935309013	PP12M-MAS55A-0183-0100	1 m	4 A
935309014	PP12M-MAS55A-0183-0200	2 m	4 A
935309015	PP12M-MAS55A-0183-0300	3 m	4 A
935309016	PP12M-MAS55A-0183-0500	5 m	4 A

© 2026 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 "ASIS" 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.