

Product: [PP12M-MAS55A-0253](#)

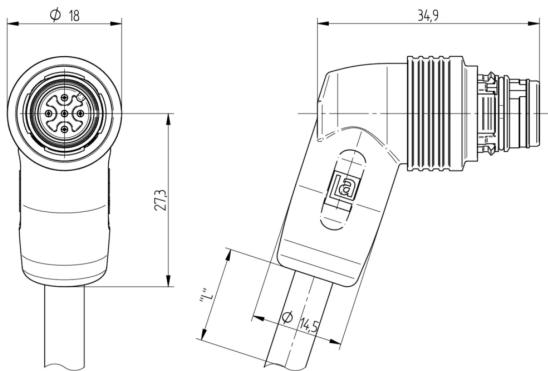


CANopen / DeviceNet Data Single-Ended Cordset: M12 PushPull Standard, male, angled, 5-pin, A-coded, shielded

Product Description

Fast mounting CANopen / DeviceNet Data 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:	CANopen / DeviceNet
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
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Cable Data

Cable Number:	253
Conductor Size:	Data: 2x0.25 mm² + Power: 2x0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	-
Cycles (Torsion):	-
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 6.70 ± 0.20 mm
Wire Insulation Material:	Data: PE + Power: PE or PP
Insulated Wire Diameter:	Data: ø 2.05 ± 0.10 mm + Power: ø 1.40 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	-
Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549 or 21198
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1, CSA FT-1
Cable Characteristics:	Free of lacquer wetting disturbing substances, Exclusion of silicone, Coldness flexibility
Core Colors:	Data pair: blue, white; Power pair: red, black

Approvals

UL-File:	-
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Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
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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
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Variants

Item #	Item Description	Cable Length	Rated Current
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935309017	PP12M-MAS55A-0253-0100	1 m	4 A
935309018	PP12M-MAS55A-0253-0200	2 m	4 A
935309019	PP12M-MAS55A-0253-0300	3 m	4 A
935309020	PP12M-MAS55A-0253-0500	5 m	4 A

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