lumbergautomation
A BELDEN BRAND



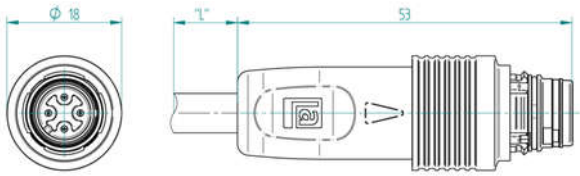
Product: PP12M-MSSV4A-0288

M12 pigtail, Push Pull, industrial sensor cable, PUR black cable, shielded, male, straight, A-coded, 4-Pin, 4x0.34mm²

Product Description

M12 pigtail, Push Pull, industrial sensor cable, PUR black cable, shielded, male, straight, A-coded, 4-Pin, 4x0.34mm², 50 V AC / 60 V DC, 4 A, - 40 °C - + 85 °C (operating temp.), IP65, IP67

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Standard push pull
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	4
Coding:	A
Shielding:	Shielded
Attachment Type:	Snap Ring
Rated Voltage:	60 V
Rated Voltage (UL):	50 V AC / 60 V DC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Rated Current (UL)*:	4A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100

Ambient Temperature (Operation)*:	- 40 °C - + 85 °C
Operating Temperature (UL):	max. 80 °C
Protection Degree / IP Rating**:	IP65, IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuSn
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:	288
Conductor Size:	0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 Mio.
Cycles (Torsion):	> 1 M @ ± 180 °/1 m
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 5.50 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.30 ±0.1 mm
Overall Shield (Cable):	Cu-ETP1 tinned
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
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT2
Cable Characteristics:	Free of lacquer wetting disturbing substances; Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility
Core Colors:	brown, white, blue, black

Approvals

UL-File:	pending
UL:	UL 2238; cULus (pending)

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
Oil Resistance:	Yes

Notes

Note Derating:	* Notice derating

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

Variants

Item #	Item Description	Rated Current
935301004	PP12M-MSSV4A-0288-0500	4 A
935301003	PP12M-MSSV4A-0288-0300	4 A
935301002	PP12M-MSSV4A-0288-0200	4 A
935301001	PP12M-MSSV4A-0288-0100	4 A

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