



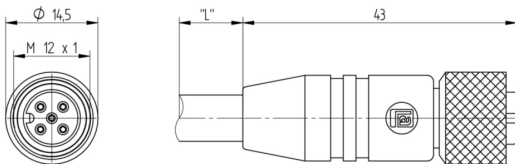
Product: [0935 253 105](#)

CANopen / DeviceNet Data Single-Ended Cordset: M12 Standard, female, straight, 5-pin, A-coded, black body, 50 V AC / 60 V DC, 4 A; PUR black cable, 4-wires, Data: 2x0.25 mm² + Power: 2x0.34 mm²

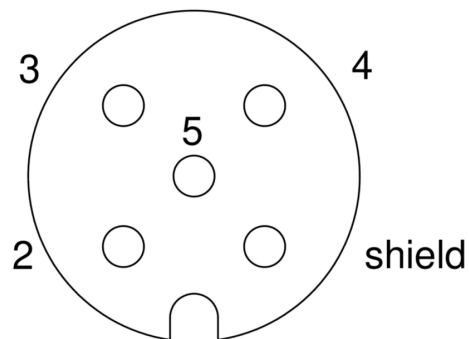
Product Description

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Technical Drawing



Female



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
shield	red	black	white	blue

Technical Data

Product Family:	Data Connectors
Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	5
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Data Transmission:	CANopen / DeviceNet
Contact Resistance:	≤ 10 mOhm

Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 80 °C
Protection Degree / IP Rating**:	IP65, IP67, IP68 (1 m / 24 h), IP69K
Design Standard:	IEC 61076-2-101
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:	TPU
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
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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):	> 1 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black matt similarly RAL 9005
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
Element Shield:	Al-PT Foil
Foil shield:	Al-PT Foil
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:	Exclusion of dangerous materials; Line construction acc. CAN-Bus and DeviceNET specification; Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Good chemical and oil resistance; Exclusion of PVC and Silicone; Free of lacquer wetting disturbing substances; Coldness flexibility
Core Colors:	Data: blue, white + Power: red, black

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.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
934637214	0935 253 105/0,2 M	0.2 m
4994	0935 253 105/0,3 M	0.3 m
59453	0935 253 105/0,5 M	0.5 m
68012	0935 253 105/0,6 M	0.6 m
10972	0935 253 105/1 M	1 m
15735	0935 253 105/2 M	2 m
10973	0935 253 105/3 M	3 m
2168	0935 253 105/4 M	4 m
10974	0935 253 105/5 M	5 m
54065	0935 253 105/6 M	6 m
65704	0935 253 105/7 M	7 m
3845	0935 253 105/8 M	8 m
15734	0935 253 105/10 M	10 m
27310	0935 253 105/15 M	15 m
18313	0935 253 105/20 M	20 m
44339	0935 253 105/25 M	25 m
42847	0935 253 105/30 M	30 m
100303	0935 253 105/35 M	35 m
109008	0935 253 105/45 M	45 m
934636414	0935 253 105/70 M	70 m

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