



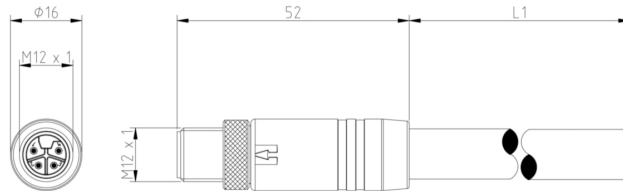
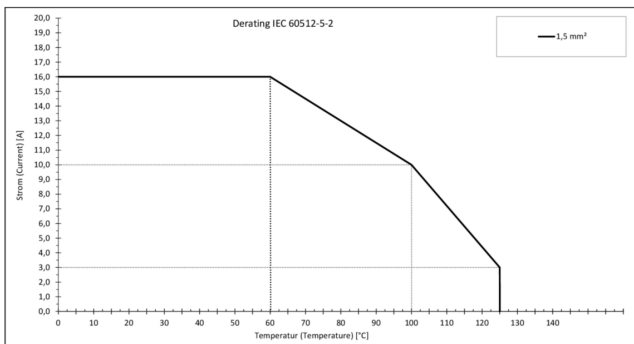
Product: [RST 4L-993 SW](#)

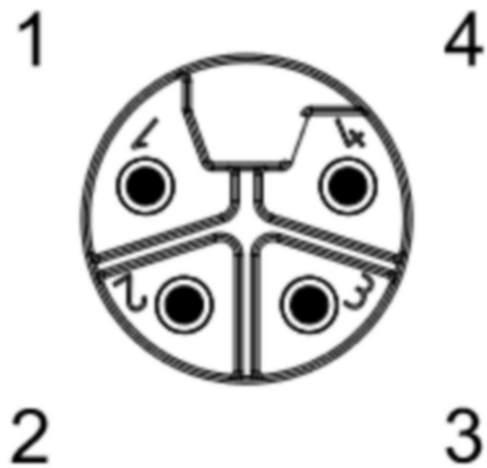
M12 Power Single-Ended Cordset: Male, straight, 4-pin, L-coded, black body, 50 V AC/60 V DC, 16 A; PVC black cable, 1.50 mm²

Product Description

M12 Power Single-Ended Cordset: Male, straight, 4-pin, L-coded, black body, 50 V AC/60 V DC, 16 A; PVC black cable, 1.50 mm²

Technical Drawing





1 = BN
 2 = WH
 3 = BU
 4 = BK

Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	M12 Power
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	male
Connector Design:	straight
Number of Pins:	4
Coding:	L
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Rated Current*:	16 A
Rated Current (UL)*:	16 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-40 °C to +125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67, IP69K

Design Standard:	IEC 61076-2-111
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:	CuNi
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 V-2
Molded Body Material:	TPE
Molded Body Color:	black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
O-Ring Material:	FKM

Additional Technical Data

Fastening Torque (Contact Screw):	M 12x1: (60-65) Ncm, hand-tight
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Cable Data

Cable Number:	993
Conductor Size:	1.50 mm ²
Conductor Resistance:	≤ 13.3 Ω/km (at 20 °C)
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	black
Cable Diameter D:	ø 7.4 ±0.20 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 2.35 mm
Overall Shield (Cable):	-
Ambient Temperature (Fixed Installation):	-30 °C to +80 °C
Ambient Temperature (Flex Installation):	-10 °C to +80 °C
UL Cable Type:	AWM: 21179
Flammability Class (Cable Jacket):	VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1

Approvals

UL-File:	E497237
UL:	UL 2237; cULus
VDE:	Yes

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	-
Oil Resistance:	HD 22.10 Appendix A, DIN EN 60811-404

Notes

Note Derating:	* Notice derating
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