



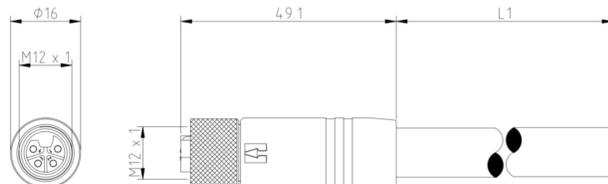
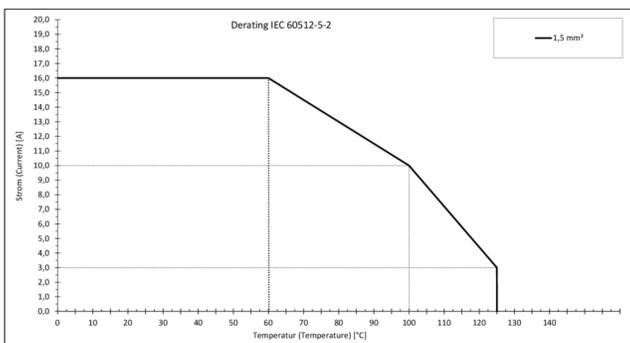
**Product:** [RKT 4L-993 SW](#)

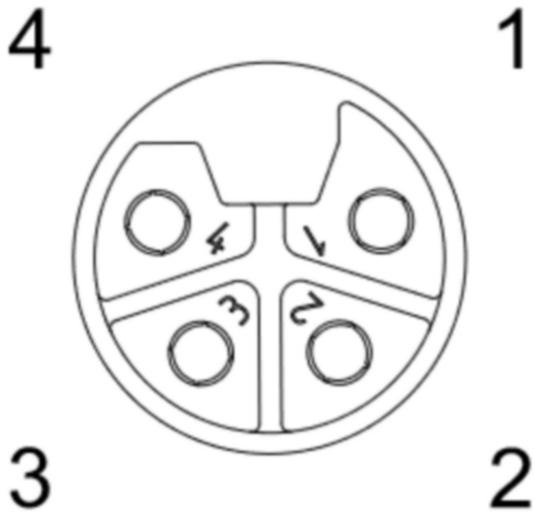
M12 Power Single-Ended Cordset: Female, straight, 4-pin, L-coded, black body, 50 V AC/60 V DC, 16 A; PVC black cable, 1.50 mm<sup>2</sup>

**Product Description**

M12 Power Single-Ended Cordset: Female, straight, 4-pin, L-coded, black body, 50 V AC/60 V DC, 16 A; PVC black cable, 1.50 mm<sup>2</sup>

**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:	female
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 <sup>9</sup> 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 <sup>2</sup>
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
Product Characteristics:	To ensure ingress protection, please check the O-ring's position before connecting. Improperly positioned O-ring leads to ingress protection potential failure.

## Variants

Item #	Item Description	Cable Length
934849116	RKT 4L-993/1M SW	1 m
934849117	RKT 4L-993/2M SW	2 m
934849118	RKT 4L-993/5M SW	5 m
934849119	RKT 4L-993/6M SW	6 m
934849120	RKT 4L-993/10M SW	10 m
934849121	RKT 4L-993/15M SW	15 m
934849122	RKT 4L-993/20M SW	20 m

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