



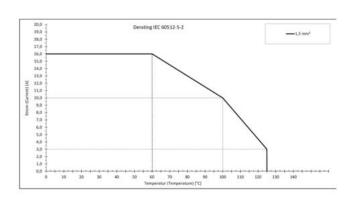
Product: RST 4L-RKWT 4L-723 ☑

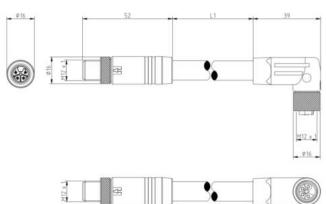
M12 Power Double-Ended Cordset: Male straight to Female angled, 4-pin, L-coded, blue body, 50 V AC/60 V DC, 16 A; PUR black cable, 1.50 mm²

Product Description

M12 Power Double-Ended Cordset: Male straight to Female angled, 4-pin, L-coded, blue body, 50 V AC/60 V DC, 16 A; PUR black cable, 1.50 mm²

Technical Drawing





Male View

Female View





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

4 = BK

Technical Specifications

Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended

Shielding:	Unshielded
Rated Voltage:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Rated Current*:	16 A
Rated Current (UL)*:	16 A

Technical Data Side 1

Type of Contact / Gender. male Connector Design: straight Attachment Type: Coupling Screw Number of Pins: 4 Coding: L Contact Resistance: ± 10 mOhm Insulation Resistance: ± 10 mOhm Maining Cycles: ± 10 mOhm Collection Degree / IP Rating**: ± 10 mOhm Pollution Degree: ± 26 i076-2-11 Clearance/ Creepage Distance: ± 10 mOhm Kno684-1 (2008 til) v DE 10-1 Clearance/ Creepage Distance: ± 10 mOhm Kno	Product Sub Family:	M12 Power
Connector Design: straight Attachment Type: Coupling Screw Number of Pins: 4 Coding: LD Contact Resistance: \$10 mOhm Insulation Resistance: \$10 mOhm Mating Cycles: \$10 Content Resistance: Ambient Temperature (Operation)*: \$10 Content Resistance: Protection Degree / IP Rating**: \$10 Content Resistance: Protection Degree / IP Rating**: \$10 Content Resistance: Pollution Degree: \$3 co.: to DN EN 606641 (VDE 0110-1) Clearance / Creepage Distance: \$10 NEN 60664-1 (VDE 0110-1) Clearance / Creepage Distance: \$10 NEN 60664-1 (VDE 0110-1) Contact Base Material: \$2 Lu Au Contact Base re Naterial: \$2 Lu Au Contact Baser Raterial: \$1 Lu Au Contact Baser Color: \$1 Sack Molided Body Material: \$1 Lu Au Molided Body Material: \$1 Lu Au Molided Body Color: \$1 Lu		
Attachment Type: Coupling Screw Number of Pins: 4 Coding: L Contact Resistance: \$10 mOhm Insulation Resistance: >10° Ohm Mating Cycles: \$10° Arbiget Types \$0° Co+125°C, notice derating Protection Degree / IP Rating**: 16° Si P6°, IP69K Design Standard: IEC 61076-2-111 Pollution Degree: 3 acc to DIN EN 60664-1 (VDE 0110-1) Clearner / Creepage Distance: 0 INE NE 60664-1 (VDE 0110-1) Contact Plasting: Cu/A Contact Base Material: Cu/A Contact Bearer Material: Cu/A Contact Bearer Naterial: Disc Contact Bearer Color: black Filmmability Class (Contact Bearer): UL 94 V-2 Molded Body Material: TPE Molded Body Molerial: UL 94 HB Rammability Class (Molded Body): UL 94 HB Attachment Plating: Cu/A O-Right Material: Cu/A	•	
Number of Pins: 4 Coding: L Contact Resistance: \$10 mOhm Insulation Resistance: \$100 Pohm Mating Cycles: \$100 Pohm Ambient Temperature (Operation)*: 40 °Ct +125 °C, nolice derating Protection Degree / IP Rating**: IPOS, IPOS, IPOS 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 (VDE 0110-1) Contact Base Material: GUN Contact Base Material: GUN Contact Bearer Material: BT GF Contact Bearer Color: black Flammability Class (Contact Bearer): UL 94 V-2 Molded Body Material: TPE Rammability Class (Molded Body): UL 94 HB Ratchment Plating: CuZn Atlanhment Plating: CuXin O-Righ Material: FKM	Connector Design:	straight
Coding: L Contact Resistance: \$10 mOhm Insulation Resistance: \$10 09 Ohm Mating Cycles: \$100 Ambient Temperature (Operation)*: 40 °C to +125 °C, notice derating Protection Degree / IP Rating**: IP66, IP66, IP66K Design Standard: 15 CE 61076-2-111 Cliesance / Greepage Distance: 3 ca. to DIN EN 60664-1 (VDE 0110-1) Clearance / Greepage Distance: 10 IN 806664-1 (VDE 0110-1) Contact Base Material: Cul/ Contact Palaing: Cul/ Contact Baser Material: BE GF Contact Baser Material: Us 4V-2 Contact Baser Cotor: biack Contact Baser Cotor: biack Molded Body Material: TPE Molded Body Cotor: biac Filammability Class (Molded Body): Us 4 HB Attachment Material: Cu2n Attachment Palaing: Cu/N O-Ring Material: KM	Attachment Type:	Coupling Screw
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**: 1965, IP67, IP69K Design Standard: IEC 61076-2-111 Cellution Degree 18C 61076-2-111 Clearance / Creepage Distance: DIN EN 60684-1 (VDE 0110-1) Clearance / Creepage Distance: DIN EN 60684-1 (VDE 0110-1) Contact Base Material: Cu/N Contact Patting: Cu/N Contact Bearer Material: Qu/Au Contact Bearer Color: Black Contact Bearer Color: Black Molded Body Material: TPE Molded Body Material: U.9 4 V-2 Rimmability Class (Molded Body): U.9 4 HB Attachment Material: CuZn Attachment Plating: Cu/N O-Ring Material: FIKM	Number of Pins:	4
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 Clitation 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: Ill acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material: Cu/Nu Contact Plating: Cu/Au Contact Bearer Color: Black Flammability Class (Contact Bearer): U.9 4V-2 Molded Body Material: TPE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: Cu/Zn Attachment Plating: Cu/Ni O-Ring Material: Cu/Ni	Coding:	L
Mating Cycles: \$ 100 Ambient Temperature (Operation)*: 40 °C to +125 °C, notice derating Protection Degree / IP Rating**: IP65, IP67, IP68K 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 (VDE 0110-1) Contact Base Material: CuNi Contact Plating: Cu/Ju Contact Baerer Alderial: DIR S G Contact Baerer Color: Jack Islammability Class (Contact Bearer): U. 94 V-2 Molded Body Material: TPE Molded Body (Color: Jule Flammability Class (Molded Body): U. 94 HB Attachment Material: CuZn Attachment Plating: CuXin Attachment Plating: CuXin	Contact Resistance:	≤ 10 mOhm
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: Ill acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material: Cu/lu Contact Plating: Cu/lu Contact Bearer Material: PBT GF Contact Bearer Color: black Flammability Class (Contact Bearer): UL 94 V-2 Molded Body Material: TPE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: CuNi O-Ring Material: FKM	Insulation Resistance:	> 10^9 Ohm
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 (VDE 0110-1) Overvoltage Category: Ill acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material: CuNi Contact Plating: Cu/Au Contact Bearer Material: DET GF Contact Bearer Color: black Flammability Class (Contact Bearer): UL 94 V-2 Molded Body Material: TPE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: CuNi O-Ring Material: FKM	Mating Cycles:	≤ 100
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: Ill acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material: Cu/Ni Contact Plating: Cu/Au Contact Bearer Material: PBT GF Contact Bearer Material: Us 49 V-2 Molded Body Color: blue Molded Body Color: blue Flammability Class (Molded Body): Us 44 HB Attachment Material: CuZn Attachment Plating: Cu/Ni Ching Material: KM	Ambient Temperature (Operation)*:	-40 °C to +125 °C, notice derating
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: Ill acc. to DIN EN 60664-1 (VDE 0110-1) 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: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: Cu/Ni O-Ring Material: FKM	Protection Degree / IP Rating**:	IP65, IP67, IP69K
Clearance / Creepage Distance: DIN EN 60664-1 (2008/01); VDE 0110-1 Overvoltage Category: Ill acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material: Cul/Au Contact Plating: Contact Bearer Material: PBT GF Contact Bearer Color: black Contact Bearer Color: black Contact Bearer Color: DIA 94 V-2 Molded Body Material: TPE Molded Body Color: Flammability Class (Molded Body): UL 94 HB Attachment Material: Cul/Ni Cul/Ni	Design Standard:	IEC 61076-2-111
Overvoltage Category:Ill acc. to DIN EN 60664-1 (VDE 0110-1)Contact Base Material:CuNiContact Plating:Cu/AuContact Bearer Material:PBT GFContact Bearer Color:blackFlammability Class (Contact Bearer):UL 94 V-2Molded Body Material:TPEMolded Body Color:blueFlammability Class (Molded Body):UL 94 HBAttachment Material:CuZnAttachment Plating:Cu/NiO-Ring Material:FKM	Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material: Contact Plating: Contact Plating: Contact Bearer Material: Contact Bearer Color: Black Contact Bearer Color: Contact Bearer): UL 94 V-2 Molded Body Material: TPE Molded Body Color: Blumability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: CuNi Molded Body Material: CuZn Attachment Plating: CuXn Fing Material: C	Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Contact Plating: Cu/Au Contact Bearer Material: PBT GF Contact Bearer Color: black Contact Bearer): UL 94 V-2 Molded Body Material: PE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: CuXn Contact Bearer): Cu/Ni Contact Bearer): UL 94 HB Attachment Plating: CuXn Contact Bearer): CuXn Contact Bearer Color: C	Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Bearer Material: Contact Bearer Color: black Flammability Class (Contact Bearer): UL 94 V-2 Molded Body Material: TPE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: Cu/Ni Attachment Plating: FKM	Contact Base Material:	CuNi
Contact Bearer Color: black Flammability Class (Contact Bearer): UL 94 V-2 Molded Body Material: TPE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: Cu/Ni O-Ring Material: FKM	Contact Plating:	Cu/Au
Flammability Class (Contact Bearer): UL 94 V-2 Molded Body Material: TPE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: Cu/Ni O-Ring Material: FKM	Contact Bearer Material:	PBT GF
Molded Body Material: TPE Molded Body Color: blue Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: Cu/Ni O-Ring Material: FKM	Contact Bearer Color:	black
Molded Body Color: Flammability Class (Molded Body): UL 94 HB Attachment Material: CuZn Attachment Plating: Cu/Ni O-Ring Material: FKM	Flammability Class (Contact Bearer):	UL 94 V-2
Flammability Class (Molded Body): Attachment Material: Attachment Plating: Cu/Ni O-Ring Material: FKM	Molded Body Material:	TPE
Attachment Material: CuZn Attachment Plating: Cu/Ni O-Ring Material: FKM	Molded Body Color:	blue
Attachment Plating: Cu/Ni O-Ring Material: FKM	Flammability Class (Molded Body):	UL 94 HB
O-Ring Material: FKM	Attachment Material:	CuZn
·	Attachment Plating:	Cu/Ni
	O-Ring Material:	FKM
Fastening Torque (Contact Screw): M 12x1: (50-60) Ncm, hand-tight	Fastening Torque (Contact Screw):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	723
Conductor Size:	1.50 mm ²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	>4xD
Minimal Bending Radius (Flexible Inst):	>7.5 x D
Cycles (Bending):	> 10 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 7.4 ±0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 2.35 mm
Overall Shield (Cable):	
Ambient Temperature (Fixed Installation):	-40 °C to +80 °C
Ambient Temperature (Flex Installation):	-30 °C to +80 °C
Ambient Temperature (Fixed Installation short-term 100h):	-40 °C to +125 °C
Ambient Temperature (Drag Chain Inst):	-20 °C to +60 °C
UL Cable Type:	AWM: 20939
Flammability Class (Cable Jacket):	VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1

	<u>automatic</u>
Product Sub Family, Side 2:	M12 Power
Type of Contact / Gender, Side 2:	female
Connector Design, Side 2:	angled
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	4
Coding, Side 2:	L
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	-40 °C to +125 °C, notice derating
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP69K
Design Standard, Side 2:	IEC 61076-2-111
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance, Side 2:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuNi
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PBT GF
Contact Bearer Color, Side 2:	black
Flammability Class (Contact Bearer), Side 2:	UL 94 V-2
Molded Body Material, Side 2:	TPE
Molded Body Color, Side 2:	blue
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Cu/Ni
O-Ring Material, Side 2:	FKM
Fastening Torque (Contact Screw), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Approvals

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

Safety & Environmental Compliance

RoHS Compliant:	Yes		
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Resistances

Halogenfree:	DIN VDE 0472 T.815
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
934853217	RST 4L-RKWT 4L-723/0,3 M	0.3 m
934853218	RST 4L-RKWT 4L-723/0,5 M	0.5 m
934853219	RST 4L-RKWT 4L-723/0,6 M	0.6 m
934853220	RST 4L-RKWT 4L-723/1 M	1 m
934853221	RST 4L-RKWT 4L-723/1,5 M	1.5 m
934853222	RST 4L-RKWT 4L-723/2 M	2 m
934853223	RST 4L-RKWT 4L-723/3 M	3 m
934853224	RST 4L-RKWT 4L-723/5 M	5 m
934853225	RST 4L-RKWT 4L-723/6 M	6 m
934853226	RST 4L-RKWT 4L-723/10 M	10 m

934853227	RST 4L-RKWT 4L-723/15 M	15 m
934853228	RST 4L-RKWT 4L-723/20 M	20 m

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