



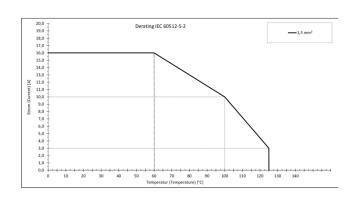
Product: RSWT 4L-RKT 4L-723 SW ☑

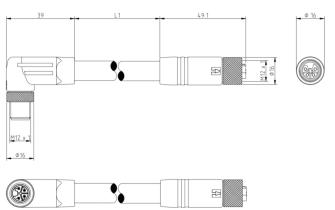
M12 Power Double-Ended Cordset: Male angled to Female straight, 4-pin, L-coded, black body, 50 V AC/60 V DC, 16 A; PUR black cable, 1.50 mm²

Product Description

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

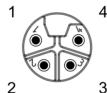
Technical Drawing

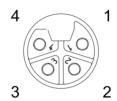




Male View

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

Product Sub Family:	M12 Power
Type of Contact / Gender:	male
Connector Design:	angled
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding:	L
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)
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
Fastening Torque (Contact Screw):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number: 723 Conductor Size: 1.50 mm² Number of Wires: 4 Minimal Bending Radius (Fixed Inst): > 4 x D 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 (Fixed Installation short-term 100h): -40 °C to +125 °C Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C		
Number of Wires: 4 Minimal Bending Radius (Fixed Inst): > 4 x D 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 +90 °C Ambient Temperature (Fixed Installation short-term 100h): Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Cable Number:	723
Minimal Bending Radius (Fixed Inst): > 4 x D 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 (Fixed Installation short-term 100h): -20 °C to +60 °C Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Conductor Size:	1.50 mm ²
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): -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	Number of Wires:	4
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): -30 °C to +80 °C Ambient Temperature (Fixed Installation): -30 °C to +80 °C Ambient Temperature (Fixed Installation): -30 °C to +80 °C Ambient Temperature (Fixed Installation): -30 °C to +80 °C Ambient Temperature (Fixed Installation short-term 100h): -20 °C to +60 °C	Minimal Bending Radius (Fixed Inst):	>4 x D
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 (Fixed Installation): -40 °C to +125 °C Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Minimal Bending Radius (Flexible Inst):	>7.5 x D
Cable Jacket Material: 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 (Fixed Installation): -30 °C to +80 °C Ambient Temperature (Fixed Installation): -40 °C to +125 °C Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Cycles (Bending):	> 10 M
Cable Jacket Color: Dlack 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): Ambient Temperature (Fixed Installation short-term 200°C to +125 °C Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Conductor material:	Cu
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): -40 °C to +125 °C Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Cable Jacket Material:	PUR
Wire Insulation Material: Insulated Wire Diameter: Ø 2.35 mm Overall Shield (Cable): Ambient Temperature (Fixed Installation): -40 °C to +80 °C Ambient Temperature (Fixed Installation): -30 °C to +80 °C Ambient Temperature (Fixed Installation short-term 100h): Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Cable Jacket Color:	black
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	Cable Diameter D:	ø 7.4 ±0.20 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 -40 °C to +125 °C -40 °C to +60 °C	Wire Insulation Material:	PP
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 -40 °C to +125 °C -20 °C to +60 °C	Insulated Wire Diameter:	ø 2.35 mm
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	Overall Shield (Cable):	-
Ambient Temperature (Fixed Installation short-term 100h): -40 °C to +125 °C -20 °C to +60 °C	Ambient Temperature (Fixed Installation):	-40 °C to +80 °C
Ambient Temperature (Drag Chain Inst): -20 °C to +60 °C	Ambient Temperature (Flex Installation):	-30 °C to +80 °C
		-40 °C to +125 °C
	Ambient Temperature (Drag Chain Inst):	-20 °C to +60 °C
UL Cable Type: AWM: 20939	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	Flammability Class (Cable Jacket):	VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1

Technical Data Side 2

Product Sub Family, Side 2:	M12 Power
Type of Contact / Gender, Side 2:	female
Connector Design, Side 2:	straight
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:	black
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
934853244	RSWT 4L-RKT 4L-723/2M SW	2 m
934853245	RSWT 4L-RKT 4L-723/5M SW	5 m
934853246	RSWT 4L-RKT 4L-723/10M SW	10 m

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