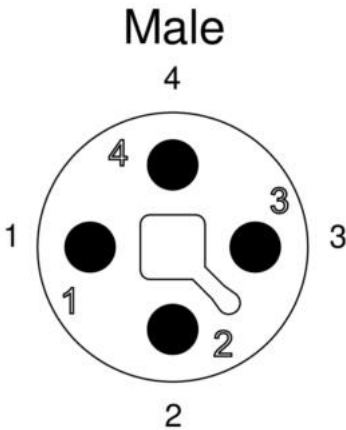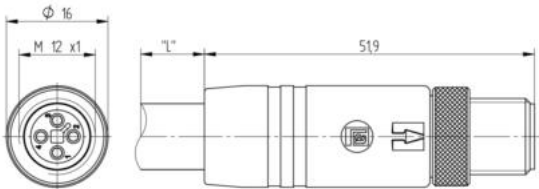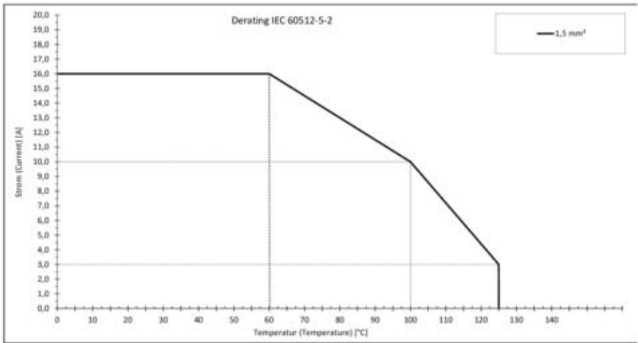lumbergautomation
A **BELDEN** BRAND

Product: RST 4T-723 SW ☐

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

Product Description

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

Technical Drawing

Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4
brown	white	blue	black

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:	T
Shielding:	Unshielded
Attachment Type:	Coupling Screw
Rated Voltage:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
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:	dark-grey
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: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	723
Conductor Size:	1.50 mm²
Conductor Resistance:	≤ 13.3 Ω/km (at 20 °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
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

Approvals

UL-File:	E497237
UL:	UL 2237; cULus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN VDE 0472 T.815
Oil Resistance:	HD 22.10 Appendix A, DIN EN 60811-404

Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.

Variants

Item #	Item Description	Cable Length
934851309	RST 4T-723/2 M SW	2 m
934851310	RST 4T-723/5 M SW	5 m
934851311	RST 4T-723/10 M SW	10 m
934851312	RST 4T-723/15 M SW	15 m