lumbergautomation
A BELDEN BRAND

Product: RSCCS 5K

M12 Power Field Attachable Connector: Male, straight, 5-pin(4+PE), K-coded, shielded, silver housing, crimp type, 600 V AC/DC

Product Description

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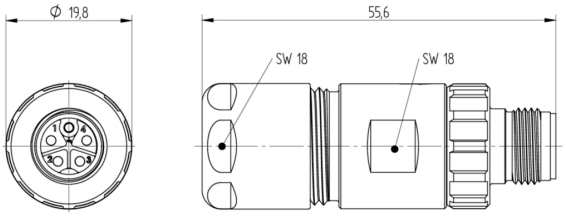
Technical Drawing



Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	M12 Power
Brand:	Lumberg Automation
Connector Type:	Field attachable
Type of Contact / Gender:	male
Connector Design:	straight
Number of Pins:	5(4+PE)
Coding:	K
Shielding:	Shielded
Attachment Type:	Coupling Screw
Rated Voltage:	630 V
Rated Impulse Voltage:	6.0 kV
Operating Voltage:	600 V AC/DC
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Type of Connection:	crimp
Cable Gland:	PG 11
Maximum Wire Isolation Diameter:	max. Ø2,9 mm

Strain-Relief:	clamping cage
Suitable Cables:	3 gaskets enclosed (Ø3 - Ø6 mm, Ø5 - Ø9 mm, Ø8 - Ø11 mm)
Ambient Temperature (Operation)*:	-40 °C to +125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67
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:	blue
Flammability Class (Contact Bearer):	UL 94 V-2
Housing Material:	CuZn
Housing Plating:	Ni
Housing Color:	silver
Cable Gland Material:	CuZn
Cable Gland Plating:	Ni
Cable Gland Gasket:	NBR
Strain-Relief Material:	PBT GF
Flammability Class (Strain Relief):	UL 94 V-2
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
Shielding Material:	CuZn, plating: Ni
O-Ring Material:	FKM

Additional Technical Data

Fastening Torque (Contact Screw):	M 12x1: (50-60) Ncm, hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes

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	Conductor Cross Section	Rated Current
934937002	RSCCS 5K/11 1,5	1.5 mm²	16 A
934937003	RSCCS 5K/11 2,5	2.5 mm²	16 A

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