lumbergautomation
A BELDEN BRAND



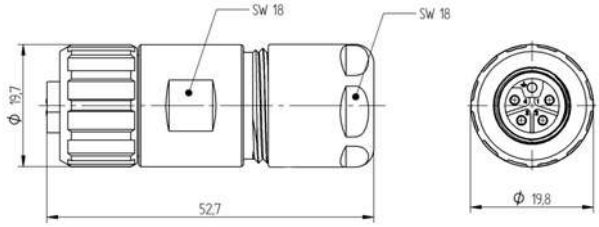
Product: RKCCS 5L

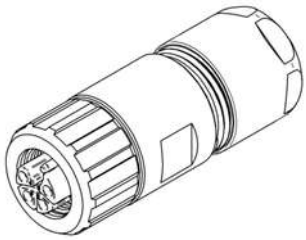
M12 Power Field Attachable Connector: Female, straight, 5-pin(4+FE), L-coded, shielded, silver housing, crimp type, 50 V AC/60 V DC

Product Description

M12 Power Field Attachable Connector: Female, straight, 5-pin(4+FE), L-coded, shielded, silver housing, crimp type, 50 V AC/60 V DC

Technical Drawing





Typ/ type	Standard - Kontaktbelegung/ standard contact Polzahl/ number of poles
RKCCS 5K...	5 PE 1 2 3 4
RKCCS 5L...	5 FE 1 2 3 4

Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	M12 Power
Brand:	Lumberg Automation
Connector Type:	Field attachable
Type of Contact / Gender:	female
Connector Design:	straight
Number of Pins:	5(4+FE)
Coding:	L
Shielding:	Shielded
Attachment Type:	Coupling Nut
Rated Voltage:	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V 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:	grey
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

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

Variants

Item #	Item Description	Conductor Cross Section	Rated Current
934935005	RKCCS 5L/11 1,5	1.5 mm²	16 A
934935006	RKCCS 5L/11 2,5	2.5 mm²	16 A

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