lumbergautomation
A BELDEN BRAND



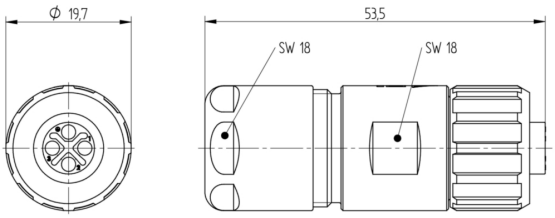
Product: RKCS 4S/11

M12 Power | Field Attachable | Female Straight, 4-pin S-coded, 630 V / 16 A

Product Description

M12 Power | Field Attachable | Female Straight, 4-pin S-coded, Shieldable, Screw Contact, 630 V / 16 A

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Power Connector
Side 1 Product Sub Family:	M12 Power
Brand:	Lumberg Automation
Connector Type:	Field attachable
Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	Field Attachable | M12 Female | Straight
Number of Pins:	4 (3+PE)
Coding, Side 1:	S
Shielding Type:	Shielded
Attachment Type:	Coupling Nut
Voltage Rating:	630 V
Rated Voltage (UL):	600 V
Rated Impulse Voltage:	6.0 kV
Operating Voltage:	600 V AC/DC
Current Rating:	16 A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Type of Connection:	Screw
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
Side 1 Design Standard:	IEC 61076-2-111
Side 1 Pollution Degree:	3 acc. to IEC 60664-1
Clearance / Creepage Distance:	IEC 60664-1 (2020-05)
Overvoltage Category:	III acc. to DIN EN 60664-1

Materials

Contact Base Material:	Copper Alloy (CuNi)
Side 1 Contact Plating:	Gold over Copper (Cu/Au)
Contact Bearer Material:	Glass-filled Polybutylene Terephthalate (PBT GF)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-2
Housing Material:	Copper Alloy (CuZn)
Housing Plating:	Nickel (Ni)
Housing Color:	Siliver
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:	Copper Alloy (CuZn)
Attachment Plating:	Nickel (Ni)
Shielding Material:	CuZn, plating: Ni

Additional Technical Data

Fastening Torque (Cable Gland):	250-375 Ncm
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Approvals

UL-File:	E497237
UL:	UL 2237; cULus

Safety & Environmental Compliance

RoHS Compliant:	Yes

Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note:	1. Do not connect or disconnect under load.

Variants

Item #	Item Description	Conductor Cross Section	Rated Current
934935008	RKCS 4S/11	max 1.5 mm²	16 A

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