lumbergautomation
A BELDEN BRAND

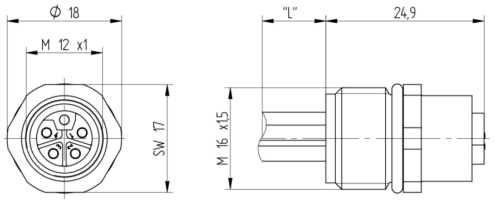
Product: RKF6S 5L-033

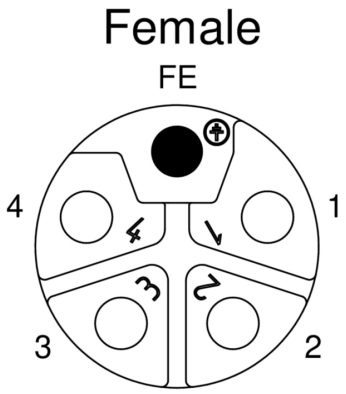
M12 Power Receptacle Connector: Female, front mount, 5-pin(4+FE), L-coded, shielded, silver housing, 50 V AC / 60 V DC, 16 A

Product Description

M12 Power Receptacle Connector: Female, front mount, 5-pin(4+FE), L-coded, shielded, silver housing, 50 V AC / 60 V DC, 16 A

Technical Drawing





Technical Specifications

Face View

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

Technical Data

Product Family:	Power Connector
Product Sub Family:	M12 Power
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	female
Connector Design:	Front mount
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
Rated Current*:	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:	grey
Flammability Class (Contact Bearer):	UL 94 V-2
Housing Material:	CuZn
Housing Plating:	Ni
Housing Color:	silver
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
Shielding Material:	CuZn, plating: Ni
O-Ring Material:	FKM

Cable Data

Insulated Wire Diameter:	1.75 mm²

Approvals

UL-File:	E497237
UL:	cULus

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.
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
934980402	RKF6S 5L-033/0,2 M	0.2 m
934980406	RKF6S 5L-033/0,5 M	0.5 m

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