



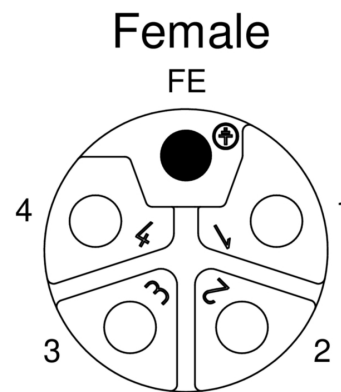
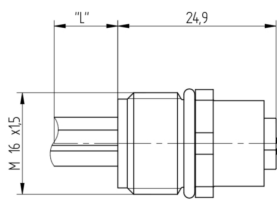
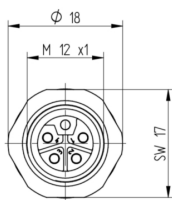
**Product:** [RKF6S 5L-033\\_P5G P11](#)

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

**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, Fastening Nut INCLUDED: RSKFM 16

**Technical Drawing**



**Technical Specifications**

**Face View**

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

**Technical Data**

Product Family:	Power Connector
Side 1 Product Sub Family:	M12 Power
Brand:	Lumberg Automation
Connector Type:	Receptacle
Side 1 Type of Contact/Gender:	female
Connector Design:	Front mount
Number of Pins:	5(4+FE)
Coding, Side 1:	L
Shielding Type:	Shielded
Attachment Type:	Coupling Nut
Voltage Rating:	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	16 A
Rated Current (UL)*:	16 A
Side 1 Contact Resistance:	≤ 10 mOhm

Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-40 °C to +125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67, IP69K
Side 1 Design Standard:	IEC 61076-2-111
Side 1 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
Side 1 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 mm <sup>2</sup>
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## Approvals

UL-File:	E497237
UL:	cULus

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## 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.

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