



**Product:** [RSA0S 4K-034](#) 

M12 Power | Receptacle | Male Flange Mount → Open End, 4-pin K-code, (2.50 mm<sup>2</sup>) 14 AWG, 630 V / 24 A

### Product Description

M12 Power | Receptacle | M12 Male Flange Mount, #Contacts: 4, K-code → Open End | Hookup Wire(s): mPPE; 2.50 mm<sup>2</sup> (14 AWG) | 630 V / 24 A

### Technical Specifications

#### Face View

Pin 1	Pin 2	Pin 3	Pin 4	PE
black 1	black 2	black 3	black 4	green-yellow

#### 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:	Pin Contact / Male
Connector Design:	Receptacle   M12 Male   Flange Mount
Number of Pins:	4 (3+PE)
Coding, Side 1:	K
Shielding Type:	Shielded
Attachment Type:	Coupling Screw
Voltage Rating:	630 V
Rated Voltage (UL):	600 V
Rated Impulse Voltage:	6.0 kV
Operating Voltage:	600 V AC/DC
Current Rating:	24 A
Rated Current (UL)*:	16 A (UL Certified); Product is designed to meet UL 20 A requirements, it is NOT certified yet; a UL 20 A certification process can be initiated upon special request based on a separate agreement with us.
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 IEC 60664-1
Clearance / Creepage Distance:	IEC 60664-1 (2020-05)
Overvoltage Category:	III acc. to IEC 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:	Blue

Flammability Class (Contact Bearer):	UL 94 V-2
Housing Material:	Copper Alloy (CuZn)
Housing Plating:	Nickel (Ni)
Housing Color:	Silver
Attachment Material:	Copper Alloy (CuZn)
Attachment Plating:	Nickel (Ni)
Shielding Material:	CuZn, plating: Ni
O-Ring Material:	Fluoroelastomer (FKM)
Gasket Material:	Fluoroelastomer (FKM)

### Additional Technical Data

Mount Type:	Screw: M2.5 (4x), not part of delivery.
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### Cable Data

Cable Number:	034
Conductor Size:	2.5 mm <sup>2</sup>
Number of Wires:	4
Conductor Material:	Cu
Wire Insulation Material:	Modified Polyphenylene Ether (mPPE)
Insulated Wire Diameter:	Ø 2.50 mm   0.098"
UL Cable Type:	AWM Style 11028
Flammability Class (Cable Jacket):	UL1581 VW-1

### Approvals

UL-File:	E497237
UL:	UL 2237; cULus

### Safety & Environmental Compliance

RoHS Compliant:	Yes
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### Resistances

Halogenfree:	DIN VDE 0472 T.815
Oil Resistance:	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

### Variants

Item #	Item Description	Cable Length
934980353	RSA0S 4K-034/0,2 M	0.2 m
934980357	RSA0S 4K-034/0,5 M	0.5 m

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