



Product: [RKP6S 5K-034](#) 

M12 Power Receptacle Connector: Female, front mount (positionable), 5-pin(4+PE), K-coded, shielded, silver housing, 600 V AC/DC, 16 A

Product Description

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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:	Belden
Connector Type:	Receptacle
Side 1 Type of Contact/Gender:	female
Connector Design:	Front mount (positionable)
Number of Pins:	5(4+PE)
Coding, Side 1:	K
Shielding Type:	Shielded
Attachment Type:	Coupling Nut
Voltage Rating:	630 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 ⁹ 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:	blue
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:	2.5 mm ²
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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.

Variants

Item #	Item Description	Cable Length
934980551	RKP6S 5K-034/0,2 M	0.2 m
934980555	RKP6S 5K-034/0,5 M	0.5 m

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