

**Product:** [RKH6S 4K-034](#) 

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

## Product Description

M12 Power Receptacle Connector: Female, rear mount, 5-pin(4+PE), K-coded, shielded, silver housing, 600 V AC/DC, 16 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                         |
| Product Sub Family:               | M12 Power                               |
| Brand:                            | Belden                                  |
| Connector Type:                   | Receptacle                              |
| Type of Contact / Gender:         | female                                  |
| Connector Design:                 | Rear mount                              |
| Number of Pins:                   | 4(3+PE)                                 |
| Coding:                           | K                                       |
| Shielding:                        | Shielded                                |
| Attachment Type:                  | Coupling Nut                            |
| Rated Voltage:                    | 630 V                                   |
| Rated Impulse Voltage:            | 6.0 kV                                  |
| Operating Voltage:                | 600 V AC/DC                             |
| Rated Current*:                   | 16 A                                    |
| 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                              |
| 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:                | 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 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 |
|-----------|--------------------|--------------|
| 934980653 | RKH6S 4K-034/0,2 M | 0.2 m        |
| 934980657 | RKH6S 4K-034/0,5 M | 0.5 m        |

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