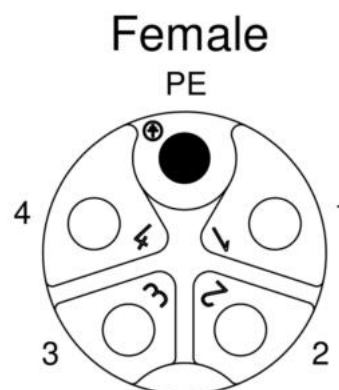
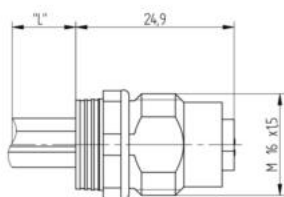
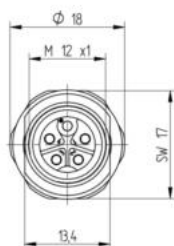


**Product:** [RKH6S 5K-033](#) 

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 Drawing****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:                    | Lumberg Automation    |
| Connector Type:           | Receptacle            |
| Type of Contact / Gender: | female                |
| Connector Design:         | Rear mount            |
| Number of Pins:           | 5(4+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: | 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 |
|-----------|--------------------|--------------|
| 934980601 | RKH6S 5K-033/0,2 M | 0.2 m        |
| 934980605 | RKH6S 5K-033/0,5 M | 0.5 m        |

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