



Product: [RKE 5 M](#)

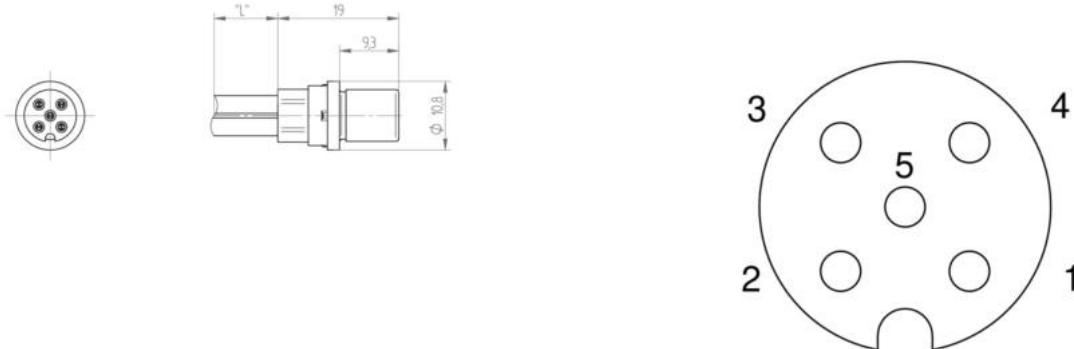
M12 Insert Sensor/Actuator Receptacle Connector: Female, insert with O-ring, M12 - mating side, stranded wires - connecting side, 5-pin, A-coded, unshielded, black body, 50 V AC / 60 V DC, 4 A

Product Description

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Technical Drawing

Female



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 |
|-------|-------|-------|-------|--------------|
| brown | white | blue | black | green-yellow |

Technical Data

| | | |
|---------------------------|------------------------------|--|
| Product Family: | Sensor / Actuator Connectors | |
| Product Sub Family: | M12 Insert | |
| Mating Side: | M12 | |
| Connecting Side: | Stranded Wires | |
| Brand: | Lumberg Automation | |
| Connector Type: | Receptacle | |
| Type of Contact / Gender: | Female | |
| Connector Design: | Insert with O-ring | |
| Number of Pins: | 5 | |
| Coding: | A | |
| Rated Voltage: | 60 V | |
| Rated Impulse Voltage: | 1.5 kV | |
| Operating Voltage: | 50 V AC / 60 V DC | |
| Rated Current*: | 4 A | |
| Contact Resistance: | ≤ 10 mOhm | |
| Insulation Resistance: | > 10^9 Ohm | |

| | |
|-----------------------------------|---|
| Mating Cycles: | ≤ 100 |
| Type of Connection: | Crimp |
| Ambient Temperature (Operation)*: | - 25 °C - + 85 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| Design Standard: | Pin assignment deviating from IEC 61076-2-101 and IEC 61140 |
| 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: | CuSn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | TPU |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Potted: | No |
| O-Ring Material: | FKM |

Additional Technical Data

| | |
|----------------------------------|------------------------|
| Accessories to Order Separately: | 000-029-751 FKM O-ring |
|----------------------------------|------------------------|

Cable Data

| | |
|---|---|
| Cable Number: | 908 09 / 908 43 |
| Conductor Size: | 4x0.355 mm ² +1x0.50 mm ² (GNYE) |
| Number of Wires: | 5 |
| Conductor material: | Cu |
| Wire Insulation Material: | PVC |
| Insulated Wire Diameter: | ø 1.55 mm ± 0.1 mm / ø 1.8 mm ± 0.1 mm (GNYE) |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C |
| Ambient Temperature (Flex Installation): | - 20 °C - + 90 °C |
| UL Cable Type: | AWM: 1007+1679 (GNYE) |
| Flammability Class (Cable Jacket): | DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL-VW1 |
| Core Colors: | black, white, blue, brown, yellow/green |

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 connector. On the installation side tightness has to be assured by taking proper measures. |
| Note: | The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101. |

Variants

| Item # | Item Description | Cable Length |
|--------|------------------|--------------|
| 59665 | RKE 5/0,5 M | 0.5 m |

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