

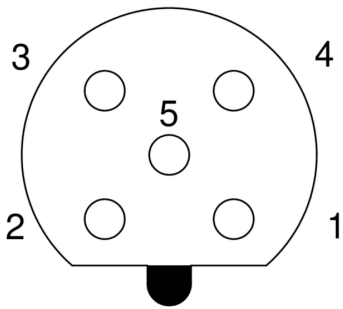


Product: [0976 PFC 157](#)

Product Description

Technical Drawing

Female



Technical Specifications

Face View

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

Technical Data

| | |
|---------------------------|--------------------|
| Product Family: | Data Connectors |
| Product Sub Family: | M12 Standard |
| Side 1 Connection: | M12 |
| Side 2 Connection: | Stranded Wires |
| Brand: | Lumberg Automation |
| Connector Type: | Receptacle |
| Type of Contact / Gender: | Female |
| Connector Design: | Front Mount |
| Number of Pins: | 5 |
| Coding: | B |
| Attachment Type: | Screw-Locking |
| Rated Voltage: | 60 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current*: | 4 A |
| Data Transmission Rate: | PROFIBUS |

| | |
|-----------------------------------|---|
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Type of Connection: | Crimp |
| Thread Size: | M16x1.5 |
| Thread Material: | CuZn |
| Thread Plating: | Nickel-plated |
| Ambient Temperature (Operation)*: | - 25 °C - + 85 °C |
| Protection Degree / IP Rating**: | IP65, IP67, IP69K |
| Design Standard: | IEC 61076-2-101 |
| 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: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | TPU |
| Contact Bearer Color: | Violett |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Potted: | yes |
| Housing Material: | Stainless Steel |
| Housing Color: | Silver |
| Attachment Material: | Stainless Steel |
| O-Ring Material: | EPDM |

Additional Technical Data

| | |
|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

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: | yellow/green, red, green, blue, brown |

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 and IP69K-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 |
|--------|------------------|--------------|
| 91458 | 0976 PFC 157 | 0.5 m |

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