



Product: [ELST 412 LED Au](#)

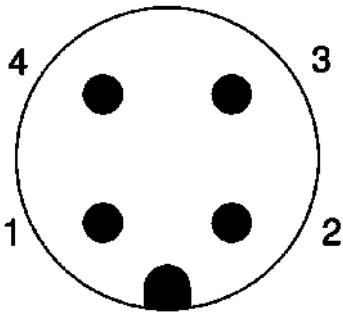
M12 Insert Sensor/Actuator Receptacle Connector: Male, insert with LED, O-ring and external threads, M12 - mating side, solder contacts - connecting side, red LED, 4-pin, A-coded, unshielded, transparent body, 10-30 V DC, 4 A

Product Description

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Technical Drawing

Male



Technical Specifications

Technical Data

| | |
|---------------------------|--|
| Product Family: | Sensor / Actuator Connectors |
| Product Sub Family: | M12 Insert |
| Mating Side: | M12 |
| Connecting Side: | Solder Contacts |
| Brand: | Hirschmann |
| Connector Type: | Receptacle |
| Type of Contact / Gender: | Male |
| Connector Design: | Insert with LED, O-ring and External Threads |
| Number of Pins: | 4 |
| Coding: | A |
| Attachment Type: | Screw-Locking |
| Rated Voltage: | 50 V |
| Rated Impulse Voltage: | 0.8 kV |
| Operating Voltage: | 10-30 V DC |
| Rated Current*: | 4 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Type of Connection: | Solder |

| | |
|-----------------------------------|--|
| Suitable Conductor Cross Section: | Solid wires: 0.22 mm ² to 0.5 mm ² / Standed wires: 0.22 mm ² to 0.38 mm ² |
| Ambient Temperature (Operation)*: | - 25 °C - + 90 °C |
| Protection Degree / IP Rating**: | IP65, IP67, IP68 (1 m / 24 h) |
| 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: | PA |
| Contact Bearer Color: | Transparent |
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Potted: | no |
| Attachment Material: | PA |
| O-Ring Material: | FKM |

Protection Circuitry

| | |
|---------------------|---------|
| Function Indicator: | Red LED |
|---------------------|---------|

Additional Technical Data

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

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 IP68-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 | Rated Current | Contact Bearer Color |
|-----------|------------------|---------------|----------------------|
| 932256112 | ELST 412 LED Au | 4 A | Transparent |

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