HIRSCHMANN
A BELDEN BRAND



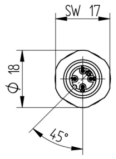

# Product: ELST 412 PG9 Sn

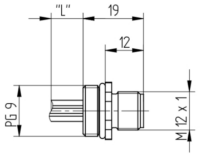
M12 Standard Sensor/Actuator Receptacle Connector: Male, front mount, M12 - mating side, stranded wires - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 230 V AC/DC, 4 A

## Product Description

M12 Standard Sensor/Actuator Receptacle Connector: Male, front mount, M12 - mating side, stranded wires - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 230 V AC/DC, 4 A

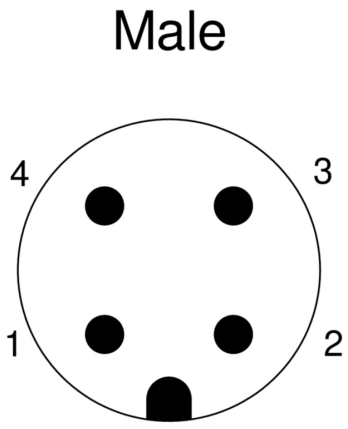
## Technical Drawing










## Technical Specifications

**Face View**

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|---|---|---|---|
| brown | white | blue | black |

### Technical Data

| | |
|---|---|
| Product Family: | Sensor / Actuator Connectors |
| Side 1 Product Sub Family: | M12 Standard |
| Mating Side: | M12 |
| Connecting Side: | Stranded Wires |
| Brand: | Hirschmann |
| Connector Type: | Receptacle |
| Side 1 Type of Contact/Gender: | Male |
| Connector Design: | Front Mount |
| Number of Pins: | 4 |
| Coding, Side 1: | A |
| Attachment Type: | Screw-Locking |
| Voltage Rating: | 250 V |
| Rated Impulse Voltage: | 2.5 kV |
| Operating Voltage: | 230 V AC/DC |
| Current Rating: | 4 A |
| Side 1 Contact Resistance: | ≤ 10 mOhm |

| | |
|---|---|
| Insulation Resistance: | > 10^9 Ohm |
| Mating Cycles: | ≤ 20 |
| Type of Connection: | Solder |
| Thread Size: | PG9 |
| Ambient Temperature (Operation)*: | - 25 °C - + 90 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| Side 1 Design Standard: | IEC 61076-2-101 |
| Side 1 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: | II acc. to DIN EN 60664-1 (VDE 0110-1) |

## Materials

| | |
|---|---|
| Contact Base Material: | CuZn |
| Side 1 Contact Plating: | Cu/Sn |
| Contact Bearer Material: | PA |
| Contact Bearer Color: | Grey |
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Potted: | Yes |
| Housing Material: | CuZn |
| Housing Plating: | Nickel-plated |
| Housing Color: | Silver |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| O-Ring Material: | FKM |

## Additional Technical Data

| | |
|---|---|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
| Accessories to Order Separately: | 733-877-001 Mounting Nut PG9 |

## Cable Data

| | |
|---|---|
| Conductor Size: | 0.34 mm² |
| Number of Wires: | 4 |
| Conductor Material: | Cu |
| Wire Insulation Material: | PVC |
| Insulated Wire Diameter: | max ø 1.75 |
| Ambient Temperature (Fixed Installation): | max. + 105 °C |
| UL Cable Type: | AWM: 1007/1569 |
| Core Colors: | black, blue, white, 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-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 |
|---|---|---|
| 932916206 | ELST 412 PG9 Sn | 0.2 m |

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