

Product: ELWIKA 5012 PG7 ☑



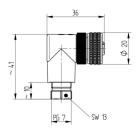
M12 Field Attachable Connector: female, angled, 5-pin, A-coded, unshielded, black housing, screw type, 50 V AC / 60 V DC $\,$

Product Description

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Technical Drawing





Technical Specifications

Technical Data

| Product Family: | Sensor / Actuator Connectors |
|-----------------------------|------------------------------|
| Product Sub Family: | M12 Standard |
| Brand: | Belden |
| Connector Type: | Field attachable |
| Type of Contact / Gender: | female |
| Connector Design: | angled |
| Number of Pins: | 5 |
| Coding: | A |
| Attachment Type: | Coupling Nut |
| Rated Voltage: | 60 V |
| Rated Voltage (CSA): | 60 V AC/DC |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current*: | 4 A |
| Rated Current (CSA)*: | 4 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10^9 Ohm |
| Mating Cycles: | ≤ 20 |
| Type of Connection: | screw terminal |
| Maximum Wire Cross Section: | max. 0,75 mm² |
| | |

| Cable Gland: | PG7 |
|-----------------------------------|---|
| Strain-Relief: | clamping cage |
| Suitable Cables: | Ø4 - Ø6 mm |
| Ambient Temperature (Operation)*: | -25°C to +90°C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| 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/Sn |
| Contact Bearer Material: | PA |
| Contact Bearer Color: | black |
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Housing Material: | PA-GF |
| Housing Color: | black |
| Flammability Class (Housing): | UL 94 V-0 |
| Cable Gland Material: | PA-GF |
| Cable Gland Gasket: | NBR, black |
| Attachment Material: | GD-Zn |
| Attachment Plating: | nickel-plated |
| O-Ring Material: | FKM/NBR |
| | |

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 Automation connector. | |

Variants

| Item # | Item Description |
|-----------|------------------|
| 933175100 | ELWIKA 5012 PG7 |

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