



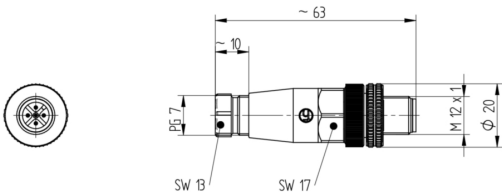
**Product:** [ELST 5012 PG7](#)

M12 Field Attachable Connector: male, straight, 5-pin, A-coded, unshielded, black housing, screw type, 50 V AC / 60 V DC

**Product Description**

M12 Field Attachable Connector: male, straight, 5-pin, A-coded, unshielded, black housing, screw type, 50 V AC / 60 V DC

**Technical Drawing**



**Technical Specifications**

**Technical Data**

|                                |                              |
|--------------------------------|------------------------------|
| Product Family:                | Sensor / Actuator Connectors |
| Side 1 Product Sub Family:     | M12 Standard                 |
| Brand:                         | Belden                       |
| Connector Type:                | Field attachable             |
| Side 1 Type of Contact/Gender: | male                         |
| Connector Design:              | straight                     |
| Number of Pins:                | 5                            |
| Coding, Side 1:                | A                            |
| Attachment Type:               | Coupling Screw               |
| Voltage Rating:                | 60 V                         |
| Rated Voltage (CSA):           | 60 V AC/DC                   |
| Rated Impulse Voltage:         | 1.5 kV                       |
| Operating Voltage:             | 50 V AC / 60 V DC            |
| Current Rating:                | 4 A                          |
| Rated Current (CSA)*:          | 4 A                          |
| Contact Resistance:            | ≤ 10 mOhm                    |
| Insulation Resistance:         | > 10 <sup>9</sup> 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          |
| Side 1 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:                     | 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 |
|-----------|------------------|
| 933163100 | ELST 5012 PG7    |

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