



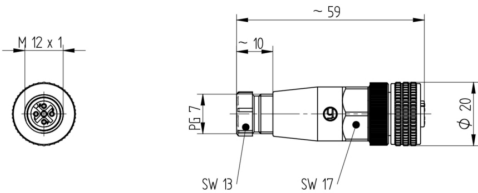
**Product: 933139100 (ELKA 4012 PG7 Black)**

M12 Field Attachable Connector: female, straight, 4-pin, A-coded, unshielded, black housing, screw type, 230 V AC/DC

Product Description

M12 Field Attachable Connector: female, straight, 4-pin, A-coded, unshielded, black housing, screw type, 230 V AC/DC

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:           | straight                     |
| Number of Pins:             | 4                            |
| Coding:                     | A                            |
| Attachment Type:            | Coupling Nut                 |
| Rated Voltage:              | 250 V                        |
| Rated Voltage (CSA):        | 250 V AC/DC                  |
| Rated Impulse Voltage:      | 2.5 kV                       |
| Operating Voltage:          | 230 V AC/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:             | II 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. |

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