

| Technical data :          |             |
|---------------------------|-------------|
| Rated voltage             | 24 V DC     |
| Rated current             | 500 mA      |
| Ambient temperature range | -25...70 °C |

| Protection :      |      |
|-------------------|------|
| Protection degree | IP67 |

| M12 straight male connector :                       |  |
|---|--|
| Locking nut/screw material                          | Zamak, nickel-plated                         |
| Overmoulding material                               | TPU, self-extinguishing                      |
| Contact diameter                                    | Ø1 mm  |
| Contact material                                    | CuZn, pre-plated with nickel and gold-plated |
| Contact resistance                                  | < 5 mΩ                                       |
| Peripheral shielding connected to locking nut/screw |  |

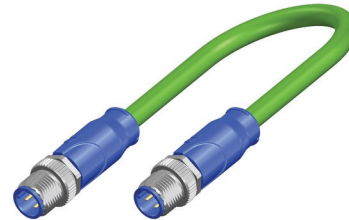
| M12 straight male connector :                       |  |
|---|--|
| Locking nut/screw material                          | Zamak, nickel-plated                         |
| Overmoulding material                               | TPU, self-extinguishing                      |
| Contact diameter                                    | Ø1 mm  |
| Contact material                                    | CuZn, pre-plated with nickel and gold-plated |
| Contact resistance                                  | < 5 mΩ                                       |
| Peripheral shielding connected to locking nut/screw |  |

| Shielded cable characteristics :                           |                                |
|--|--------------------------------|
| Type of cable  | PROFINET CAT.5 (10-100 Mbit/s) |
| Suitable for EtherCAT and EtherNet/IP applications         |                                |
| Sheath material  | PVC                            |
| Wire structure   | 2 x 2 x AWG22 (PE)             |
| Conductor class  | AWG22/7 (Ø 1,5 mm)             |
| Sheath diameter  | 6,5 mm                         |
| Conductor resistance                                       | < 120 Ω/km (loop)              |
| Characteristic impedance                                   | 100 Ω @ 100 MHz                |
| Insulation resistance                                      | 500 MΩ*km                      |
| Tin-plated copper braided shielding covering rate: 85%     |                                |
| Flame resistance according to                              | UL1685 (CSA FT 4)              |
| Shielding material according to DIN EN 13602 Cu-ETP-A...-B |                                |

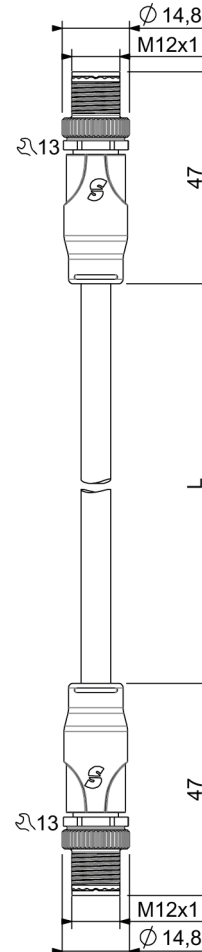
| Cable length : |            |
|----------------|------------|
| L length       | 5 m        |
| Other length   | On request |

## V12D/4DLM55P

Field bus



**Dimensions :**



**Wiring diagram :**

