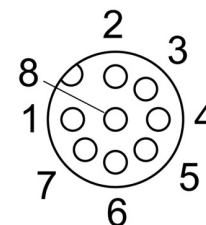


# Plug socket with cable SIM-M12-8GD-20-PU

Part number: 5105632

FESTO



## Data sheet

| Feature                                               | Value                                |
|-------------------------------------------------------|--------------------------------------|
| Type code                                             | SIM                                  |
| Conforms to standard                                  | DIN 47100<br>EN 61076-2-101          |
| Cable designation                                     | Without label holder                 |
| Electrical connection 1, function                     | Field device end                     |
| Electrical connection 1, design                       | Round                                |
| Electrical connection 1, connection type              | Socket                               |
| Electrical connection 1, cable outlet                 | Straight                             |
| Electrical connection 1, connection technology        | M12x1 A-coded as per EN 61076-2-101  |
| Electrical connection 1, number of pins/wires         | 8                                    |
| Electrical connection 1, occupied pins/wires          | 8                                    |
| Electrical connection 1, type of mounting             | Screw-type lock                      |
| Electrical connection for input 1, connection pattern | 00992265                             |
| Electrical connection 2, function                     | Control side                         |
| Electrical connection 2, connection type              | Cable                                |
| Electrical connection 2, connection technology        | Open end                             |
| Electrical connection 2, number of pins/wires         | 8                                    |
| Electrical connection 2, occupied pins/wires          | 8                                    |
| DC operating voltage range                            | 0 V ... 30 V                         |
| Operating voltage range AC                            | 0 V ... 30 V                         |
| Current rating at 40°C                                | 2 A                                  |
| Surge resistance                                      | 0.8 kV                               |
| Cable length                                          | 20 m                                 |
| Cable characteristic                                  | Standard                             |
| Bending radius, fixed cable installation              | ≥32 mm                               |
| Bending radius, flexible cable installation           | ≥66 mm                               |
| Cable diameter                                        | 6.3 mm                               |
| Cable diameter tolerance                              | ± 0.2 mm                             |
| Cable design                                          | 8 x 0.25 mm <sup>2</sup><br>Shielded |
| Nominal conductor cross section                       | 0.25 mm <sup>2</sup>                 |
| Wire ends                                             | Tin-plated                           |
| Degree of protection                                  | IP67                                 |
| Note on degree of protection                          | In mounted state                     |

| Feature                                              | Value                         |
|------------------------------------------------------|-------------------------------|
| Ambient temperature                                  | -25 °C ... 85 °C              |
| Ambient temperature with flexible cable installation | -5 °C ... 80 °C               |
| CE marking (see declaration of conformity)           | As per EU EMC directive       |
| Note on materials                                    | RoHS-compliant                |
| Contamination level                                  | 3                             |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress |
| Material of cable sheath                             | TPE-U(PUR)                    |
| Color cable sheath                                   | Gray                          |
| Housing material                                     | TPE-U(PUR)                    |
| Material of screw-type lock                          | Brass, nickel-plated          |
| Material of pin contacts                             | Bronze, gold-plated           |
| Insulating sheath material                           | PP                            |