

# Plug socket with cable SIM-M12-8GD-10-PU

Part number: 570008

FESTO



 General operating condition

## Data sheet

| Feature                                              | Value                                                   |
|------------------------------------------------------|---------------------------------------------------------|
| Conforms to standard                                 | EN 61076-2-101                                          |
| Cable designation                                    | Without inscription label holder                        |
| Electrical connection 1, function                    | Field device side                                       |
| Electrical connection 1, design                      | Round                                                   |
| Electrical connection 1, connection type             | Socket                                                  |
| Electrical connection 1, cable outlet                | Straight                                                |
| Electrical connection 1, connector system            | M12x1, A-coded to EN 61076-2-101                        |
| Electrical connection 1, number of connections/cores | 8                                                       |
| Electrical connection 1, used connections/cores      | 8                                                       |
| Electrical connection 1, type of mounting            | Screw-type lock<br>Rotatable                            |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection 1, connection pattern          | 00992265                                                |
| Electrical connection 2, function                    | Controller side                                         |
| Electrical connection 2, connection type             | Cable                                                   |
| Electrical connection 2, connector system            | Open end                                                |
| Electrical connection 2, number of connections/cores | 8                                                       |
| Electrical connection 2, used connections/cores      | 8                                                       |
| Operational voltage range DC                         | 0 V ... 30 V                                            |
| Operational voltage range AC                         | 0 V ... 30 V                                            |
| Current rating at 40° C                              | 2 A                                                     |
| Immunity to surge                                    | 0.8 kV                                                  |
| Shielding                                            | yes                                                     |
| Cable length                                         | 10 m                                                    |
| Cable characteristic                                 | Standard                                                |
| Bending radius, fixed cable                          | ≥32 mm                                                  |
| Bending radius, moving cable                         | ≥66 mm                                                  |
| Cable diameter                                       | 6.3 mm                                                  |
| Cable diameter tolerance                             | ± 0.2 mm                                                |
| Cable structure                                      | 8 x 0.25 mm <sup>2</sup>                                |
| Nominal cross section conductor                      | 0.25 mm <sup>2</sup>                                    |
| Wire ends                                            | Tin-plated                                              |
| Degree of protection                                 | IP67                                                    |
| Note on degree of protection                         | In assembled state                                      |
| Ambient temperature                                  | -25 °C ... 80 °C                                        |
| Ambient temperature with moving cable                | -5 °C ... 80 °C                                         |

| Feature                                      | Value                                |
|----------------------------------------------|--------------------------------------|
| CE mark (see declaration of conformity)      | In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions              |
| LABS (PWIS) conformity                       | VDMA24364-B2-L                       |
| Note on materials                            | RoHS-compliant                       |
| Pollution degree                             | 3                                    |
| Note on the contamination level              | In mounted state                     |
| Corrosion resistance class CRC               | 2 - Moderate corrosion stress        |
| Material cable sheath                        | TPE-U(PUR)                           |
| Cable sheath colour                          | Grey                                 |
| Material housing                             | TPE-U(PUR)                           |
| Material screw-type lock                     | Brass, chrome-plated                 |
| Material seals                               | NBR                                  |
| Material electrical contact                  | Gold-plated copper alloy             |
| Material insulating sheath                   | PP                                   |