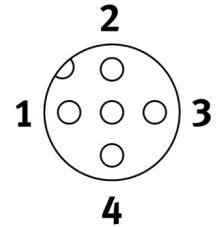


# Connecting cable NEBU-M12G5-K-2.5-M8G4

Part number: 554036

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Type code   | NEBU   |
| Conforms to standard                                  | Wire colors and connection numbers as per EN 60947-5-2<br>EN 61076-2-101<br>EN 61076-2-104 |
| Explosion prevention and protection                   | Observe the information on the certificate<br>Zone 2 (ATEX)<br>Zone 22 (ATEX)              |
| Cable designation                                     | With 2x label holders  |
| Product weight  | 81 g   |
| 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         | 5  |
| Electrical connection 1, occupied pins/wires          | 4  |
| Electrical connection 1, type of mounting             | Screw-type lock  |
| Electrical connection for input 1, connection pattern | 00991861   |
| Electrical connection 2, function                     | Control side   |
| Electrical connection 2, design                       | Round  |
| Electrical connection 2, connection type              | Plug   |
| Electrical connection 2, cable outlet                 | Straight   |
| Electrical connection 2, connection technology        | M8x1 A-coded as per EN 61076-2-104   |
| Electrical connection 2, number of pins/wires         | 4  |
| Electrical connection 2, occupied pins/wires          | 4  |
| Electrical connection 2, type of mounting             | Screw-type lock  |
| Electrical connection 2, connection pattern           | 00991171   |
| DC operating voltage range                            | 0 V ... 30 V   |
| Operating voltage range AC                            | 0 V ... 30 V   |
| Current rating at 40°C                                | 3 A  |
| Surge resistance                                      | 0.8 kV   |
| Cable length  | 2.5 m  |
| Cable characteristic                                  | Standard   |

| Feature  | Value   |
|--|---|
| Connector cable test conditions                      | Flexural strength: as per Festo standard<br>Test conditions on request<br>Cable chain: 5 million cycles, bending radius 75 mm |
| Bending radius, fixed cable installation             | 14 mm   |
| Bending radius, flexible cable installation          | 46 mm   |
| Cable diameter                                       | 4.5 mm  |
| Cable diameter tolerance                             | ± 0.1 mm  |
| Cable design   | 4 x 0.25 mm <sup>2</sup>  |
| Nominal conductor cross section                      | 0.25 mm <sup>2</sup>  |
| Degree of protection                                 | IP65<br>IP68<br>IP69K   |
| Note on degree of protection                         | In mounted state  |
| Special features                                     | Oil-resistant   |
| Ambient temperature                                  | -25 °C ... 70 °C  |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C   |
| CE marking (see declaration of conformity)           | As per EU RoHS directive  |
| LABS conformity                                      | VDMA24364-B2-L  |
| Note on materials                                    | Free of copper and PTFE<br>RoHS-compliant<br>Halogen-free<br>Free of phosphoric acid ester                                    |
| 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)  |
| Housing colour                                       | Black   |
| Material of screw-type lock                          | Brass, nickel-plated  |
| Seals material                                       | NBR   |
| Material of pin contacts                             | Copper alloy, gold-plated   |
| Insulating sheath material                           | PP  |