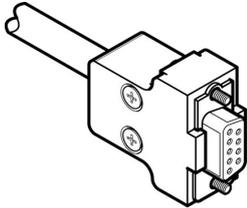


# Connecting cable KMP6-09P-8-5

Part number: 531185

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Type code   | KMP6   |
| Based on norm   | DIN 41652  |
| Cable designation                                     | Without label holder                               |
| Contact durability                                    | 50   |
| Product weight  | 454 g  |
| Electrical connection 1, function                     | Field device end                                   |
| Electrical connection 1, design                       | Rectangular  |
| Electrical connection 1, connection type              | Socket   |
| Electrical connection 1, cable outlet                 | Straight   |
| Electrical connection 1, connection technology        | Sub-D  |
| Electrical connection 1, number of pins/wires         | 9  |
| Electrical connection 1, occupied pins/wires          | 9  |
| Electrical connection 1, type of mounting             | 2x screw, 4-40 UNC                                 |
| Electrical connection for input 1, connection pattern | 00995638   |
| 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         | 9  |
| Electrical connection 2, occupied pins/wires          | 9  |
| DC operating voltage range                            | 0 V ... 30 V                                       |
| Nominal operating voltage DC                          | 24 V   |
| Current rating at 40°C                                | 2.8 A  |
| Surge resistance                                      | 1 kV   |
| Cable length  | 5 m  |
| Cable characteristic                                  | Standard   |
| Connector cable test conditions                       | Test conditions on request                         |
| Bending radius, fixed cable installation              | ≥76 mm   |
| Bending radius, flexible cable installation           | ≥114 mm  |
| Cable diameter  | 7.6 mm   |
| Cable diameter tolerance                              | ± 0.25 mm  |
| Cable design  | 8 x 0.34 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> |
| Nominal conductor cross section                       | 0.34 mm <sup>2</sup><br>0.5 mm <sup>2</sup>        |
| Wire ends   | Cut off bluntly                                    |
| Degree of protection                                  | IP40   |
| Note on degree of protection                          | In mounted state                                   |

| <b>Feature</b>                                       | <b>Value</b>              |
|--|---------------------------|
| Ambient temperature                                  | -25 °C ... 70 °C          |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C           |
| Storage temperature                                  | -25 °C ... 75 °C          |
| CE marking (see declaration of conformity)           | As per EU RoHS directive  |
| Note on materials                                    | RoHS-compliant            |
| Contamination level                                  | 2                         |
| Material of cable sheath                             | PVC                       |
| Color cable sheath                                   | Gray                      |
| Housing material                                     | PBT-reinforced            |
| Housing colour                                       | Gray                      |
| Material of screw-type lock                          | Brass, nickel-plated      |
| Material of pin contacts                             | Copper alloy, gold-plated |