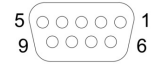
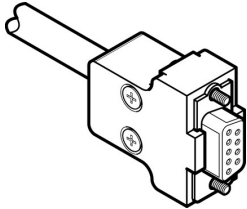


# Connecting cable KMP6-09P-8-2,5

Part number: 531184

FESTO



## Data sheet

| Feature                                               | Value                                              |
|-------------------------------------------------------|----------------------------------------------------|
| Type code                                             | KMP6                                               |
| Based on norm                                         | DIN 41652                                          |
| Cable designation                                     | Without label holder                               |
| Contact durability                                    | 50                                                 |
| Product weight                                        | 248 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                                          | 2.5 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                                   |

| Feature                                              | Value                     |
|------------------------------------------------------|---------------------------|
| 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 |