

03 SV ...-8 C

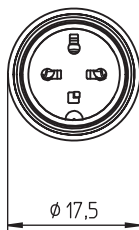
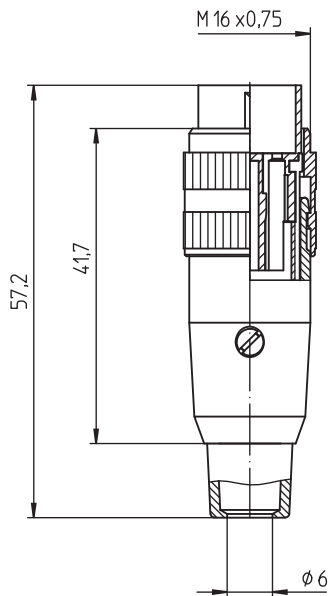
Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP68



Plug acc. to IEC 61076-2-106, IP40, straight version, with threaded joint, empty housing for reception of crimp contacts, with bend protection, for cable diameter up to 8 mm

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#### Environmental conditions

Temperature range -40 °C/+85 °C

#### Materials

|                        |                                 |
|------------------------|---------------------------------|
| Insulating body        | PA GF, V-0 according to UL94    |
| Ground contact spring  | CuZn, pre-nickel and tin-plated |
| Sleeve                 | PC, HB according to UL94        |
| Strain relief          | steel, nickel-plated            |
| Housing                | CuZn, nickel-plated             |
| Knurled screw          | CuZn, nickel-plated             |
| Bend protection sleeve | TPE                             |
| Screw                  | steel, nickel-plated            |

#### Mechanical data

|                             |                   |
|-----------------------------|-------------------|
| Tightening torque connector | 1–3 Nm            |
| Protection class            | IP40 <sup>1</sup> |

<sup>1</sup> according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

#### Connectable conductors for crimp area

|                |        |
|----------------|--------|
| Cable diameter | 6–8 mm |
|----------------|--------|

#### Electrical data (at T<sub>amb</sub> 20 °C)

|                       |                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated current         | 5 A (T <sub>amb</sub> 40 °C)                                                                                                                                                                                                   |
| Rated voltage         | with pollution degree 1:<br>300 V (versions 30, 40, 50/6, 60, 70)<br>100 V (versions 50, 71, 80, 81)<br>with pollution degree 2:<br>250 V (versions 30, 40)<br>32 V (versions 50, 71, 80, 81)<br>160 V (versions 50/6, 60, 70) |
| Rated impulse voltage | 1500 V (versions 30, 40, 50/6, 60, 70)<br>500 V (versions 50, 71, 80, 81)                                                                                                                                                      |
| Material group        | II (IEC)/I (UL) (400 ≤ CTI < 600)                                                                                                                                                                                              |
| Overvoltage category  | I                                                                                                                                                                                                                              |
| Insulation resistance | > 100 MΩ                                                                                                                                                                                                                       |

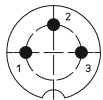
#### Associated products

|              |             |            |
|--------------|-------------|------------|
| Counterparts |             |            |
| ☞ 030398     | ☞ KFR       | ☞ KFR      |
| ☞ KVF        | ☞ KGR       | ☞ KGV      |
| ☞ KV         | ☞ KV ... C  | ☞ KV ...-8 |
| ☞ WKV        | ☞ WKV ... C |            |

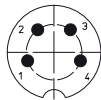
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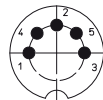
Pin configurations, crimp side view



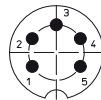
03-a  
SV 30-8 C



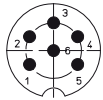
04-a  
SV 40-8 C



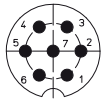
05-b  
SV 50-8 C



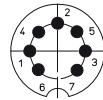
05-a  
SV 50/6-8 C



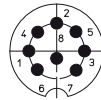
06-a  
SV 60-8 C



07-a  
SV 70-8 C



07-b  
SV 71-8 C



08-a  
SV 81-8 C

Accessories

☑ 0369

☑ 0383

☑ 038399

☑ 038899

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SV ...-8 C

| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) |
|-------------|-------------|-------------|--------------|
| SV 30-8 C   | 3           | 50          | 100          |
| SV 40-8 C   | 4           | 50          | 100          |
| SV 50-8 C   | 5           | 50          | 100          |
| SV 50/6-8 C | 5           | 50          | 100          |
| SV 60-8 C   | 6           | 50          | 100          |
| SV 70-8 C   | 7           | 50          | 100          |
| SV 71-8 C   | 7           | 50          | 100          |
| SV 81-8 C   | 8           | 50          | 100          |

**Packaging:**

preassembled, in a cardboard box