

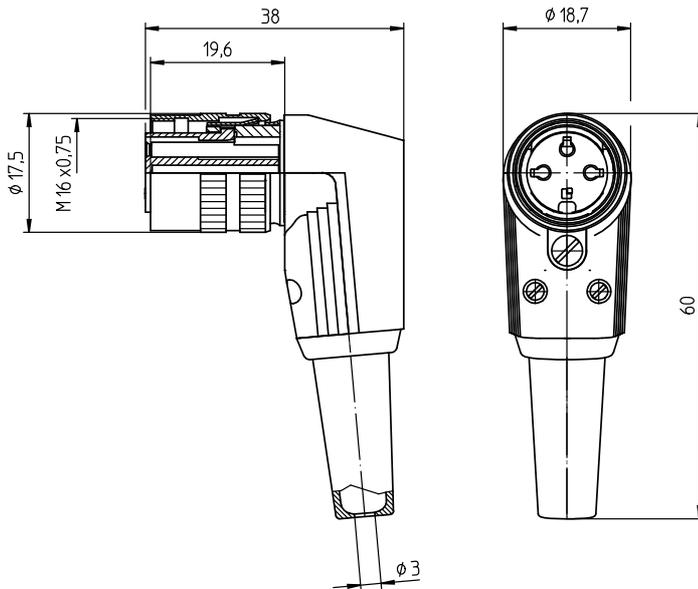
03

WKV ... C

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



Socket acc. to IEC 61076-2-106, IP40, angular version, with threaded joint, empty housing for reception of crimp contacts, with bend protection, for cable diameter up to 6 mm



**Environmental conditions**

Temperature range -40 °C/+85 °C

**Materials**

Insulating body	PA GF, V-0 according to UL94
Sleeve	PC, HB according to UL94
Strain relief	steel, nickel-plated
Housing	PC, HB according to UL94
Knurled nut	CuZn, nickel-plated
Bend protection sleeve	TPE
Screw	steel, nickel-plated

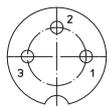
**Mechanical data**

Tightening torque connector 1–3 Nm

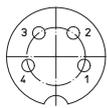
Protection class IP40<sup>1</sup>

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

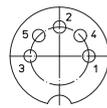
**Pin configurations, crimp side view**



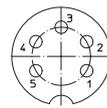
**03-a**  
WKV 30 C



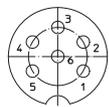
**04-a**  
WKV 40 C



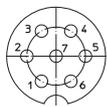
**05-b**  
WKV 50 C



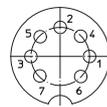
**05-a**  
WKV 50/6 C



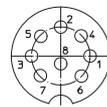
**06-a**  
WKV 60 C



**07-a**  
WKV 70 C



**07-b**  
WKV 71 C



**08-a**  
WKV 81 C

**Connectable conductors for crimp area**

Cable diameter 4–6 mm

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

Contact resistance	≤ 5 mΩ
Rated current	5 A (T <sub>amb</sub> 40 °C)
Rated voltage	with pollution degree 1: 300 V (versions 30, 40, 50/6, 60, 70) 100 V (versions 50, 71, 80, 81) with pollution degree 2: 250 V (versions 30, 40) 32 V (versions 50, 71, 80, 81) 160 V (versions 50/6, 60, 70)
Rated impulse voltage	1500 V (versions 30, 40, 50/6, 60, 70) 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

☞ SFV	☞ SFV	☞ SFV ... C
☞ SGR	☞ SGR	☞ SGV
☞ SGV	☞ SGV ... C	☞ SV
☞ SV	☞ SV ... C	☞ SV ...-8

---

<a href="#">SV ...-8</a>	<a href="#">SV ...-8 C</a>	<a href="#">WSV</a>
<a href="#">WSV ... C</a>		
Accessories		
<a href="#">0364</a>	<a href="#">0381</a>	<a href="#">038199</a>
<a href="#">038799</a>		

---

03

WKV ... C

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

**Packaging:**

pre-assembled, in a cardboard box