

03 WKV ... C

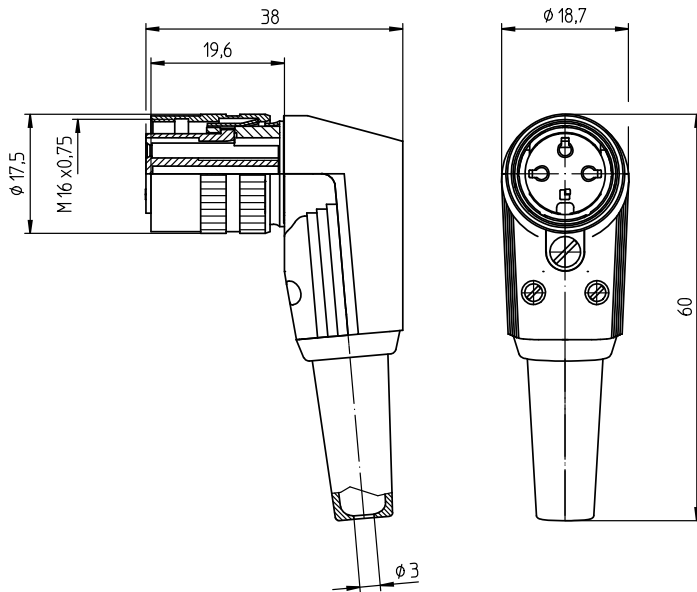
Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP68



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

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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

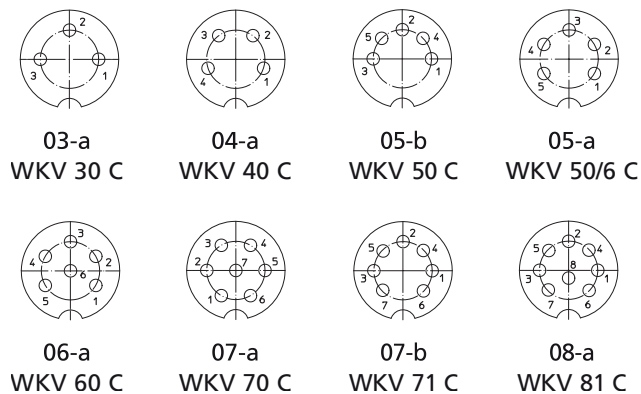
Mechanical data

Tightening torque connector 1–3 Nm

Protection class IP40¹

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

Pin configurations, crimp side view



Connectable conductors for crimp area

Cable diameter 4–6 mm

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	5 A (T _{amb} 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 ... C	☞ SGR
☞ SGV	☞ SGV ... C	☞ SV
☞ SV ... C	☞ SV ...-8	☞ SV ...-8 C
☞ WSV	☞ WSV ... C	

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Accessories

🔗 0364

🔗 0381

🔗 038199

🔗 038799

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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:

unassembled, individually in a plastic bag, in a cardboard box