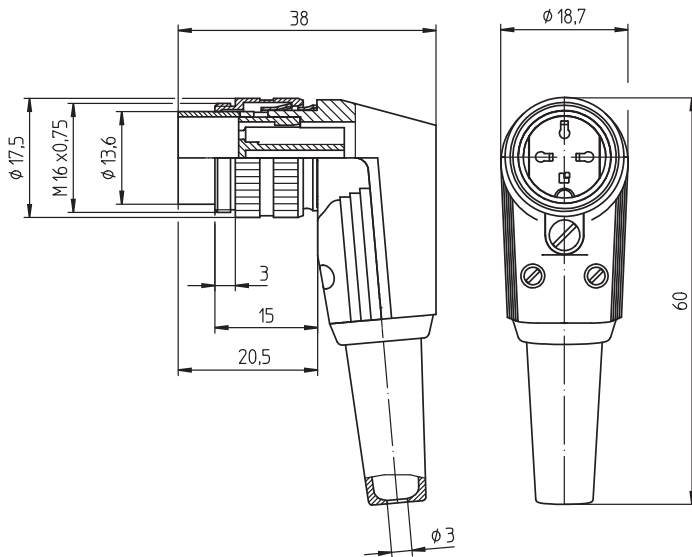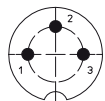Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP68
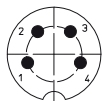

Plug acc. to IEC 61076-2-106, IP40, angular version, with threaded joint, empty housing for reception of crimp contacts, with bend protection, for cable diameter up to 6 mm
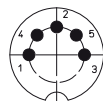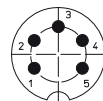
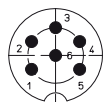### Pin configurations, crimp side view

03-a	04-a	05-b	05-a
WSV 30 C	WSV 40 C	WSV 50 C	WSV 50/6 C
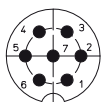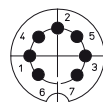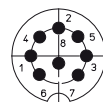
06-a	07-a	07-b	08-a
WSV 60 C	WSV 70 C	WSV 71 C	WSV 81 C

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[1]

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

Connectable conductors for crimp area

Cable diameter	4–6 mm

Electrical data (at T_{amb} 20 °C)

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)/1 (UL) (400 ≤ CTI < 600)
Overvoltage category	I
Insulation resistance	> 100 MΩ

Associated products

Counterparts

↗ 030398	↗ KFR	↗ KFR
↗ KFV	↗ KFV ... C	↗ KGR
↗ KGV	↗ KGV ... C	↗ KV
↗ KV ... C	↗ KV ...-8	↗ KV ...-8 C

Lumberg
passion for connections

WKV   WKV … C

Accessories
0369   0383   038399
038899

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

Packaging:
preassembled, in a cardboard box