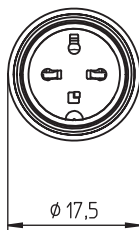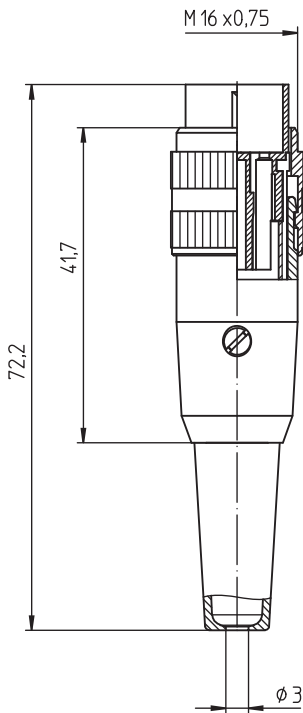Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP68

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 6 mm

M 16 x0,75

41,7

72,2

ø 3

ø 17,5

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
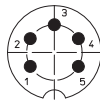
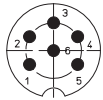Pin configurations, crimp side view
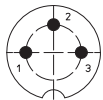
Accessories

03-a
SV 30 C
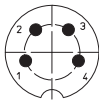
04-a
SV 40 C
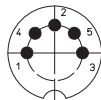
05-b
SV 50 C

05-a
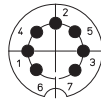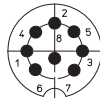SV 50/6 C

06-a
SV 60 C
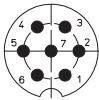
07-a
SV 70 C

07-b
SV 71 C

08-a
SV 81 C

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

Packaging:
preassembled, in a cardboard box