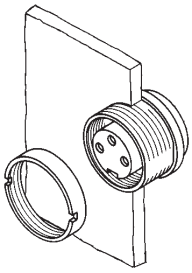
03 KGV ... C

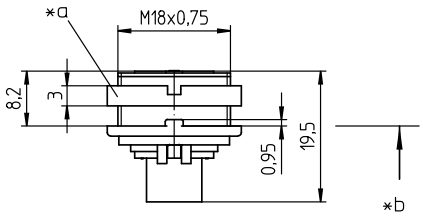
Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP68

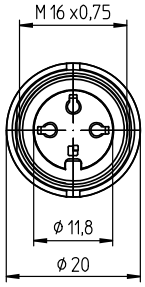


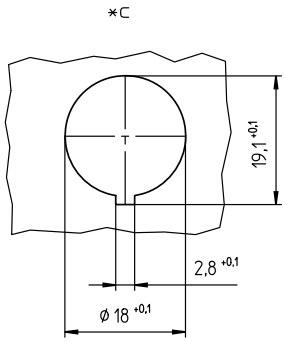
Chassis socket acc. to IEC 61076-2-106, IP40, with threaded joint, empty housing for reception of crimp contacts, for back side mounting

03 KGV ... C









Environmental conditions

Temperature range	-40 °C/+85 °C

Materials

Insulating body	PA GF, V-0 according to UL94
Housing	Zn diecast, pre-copper and nickel-plated
Ring screw	CuZn, nickel-plated

Mechanical data

Tightening torque connector	1-3 Nm
Tightening torque nut	1-3 Nm
Thickness of mounting plate	1-5 mm
Protection class	IP40 [1]

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

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	5 A
Rated voltage	with pollution degree 1: 300 V (versions 30, 40, 50/6, 60, 70) 100 V (versions 50, 71, 81) with pollution degree 2: 250 V (versions 30, 40) 32 V (versions 50, 71, 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, 81)
Material group	II (IEC)/1 (UL) (400 ≤ CTI < 600)
Overvoltage category	I
Insulation resistance	> 100 MΩ

Associated products

Counterparts

SV	SV ... C	SV ...-8
WSV	WSV ... C	

Accessories

0364	0381	038199
0384	0385	038799

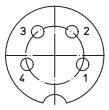
Harnessing equipment

ZMS 20

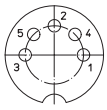
03 KGV ... C



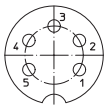
03-a
KGV 30 C



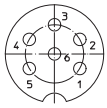
04-a
KGV 40 C



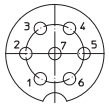
05-b
KGV 50 C



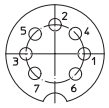
05-a
KGV 50/6 C



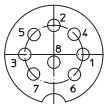
06-a
KGV 60 C



07-a
KGV 70 C



07-b
KGV 71 C



08-a
KGV 81 C

*a nut enclosed separately
*b mounting direction
*c port in mounting plate

03 KGV ... C

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

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