

03

KGV ... C

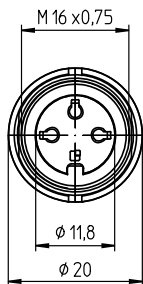
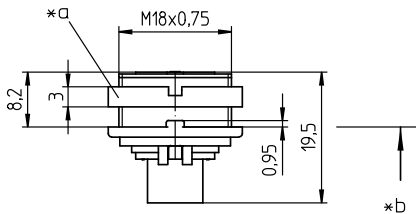
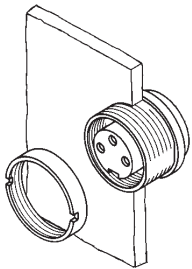
Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP68



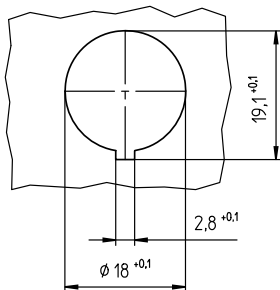
Chassis socket acc. to IEC 61076-2-106, IP40, with threaded joint, empty housing for reception of crimp contacts, for back side mounting

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*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
Protection class IP40¹


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

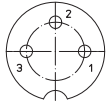
Electrical data (at T_{amb} 20 °C)

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

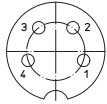
Associated products

Counterparts
 SV  SV ... C  SV ...-8
 WSV  WSV ... C
 Accessories
 0364  0381  038199
 0384  0385  038799

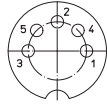
Harnessing equipment
 ZMS 20



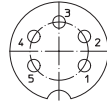
03-a
KGV 30 C



04-a
KGV 40 C



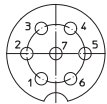
05-b
KGV 50 C



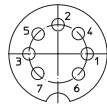
05-a
KGV 50/6 C



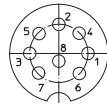
06-a
KGV 60 C



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

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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:

in a cardboard box