

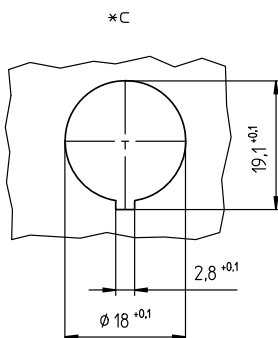
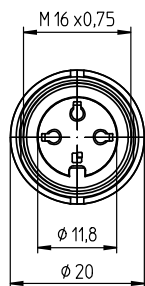
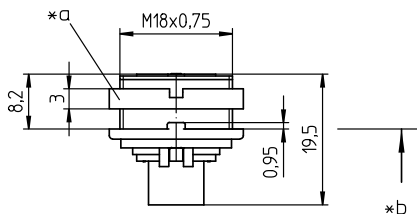
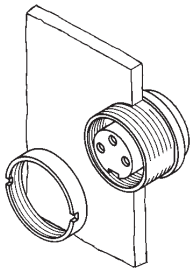
03 KGV ... C

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  
Protection class IP40<sup>1</sup>

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

### Electrical data (at T<sub>amb</sub> 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

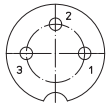
### Associated products

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

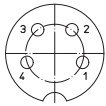
Harnessing equipment  
 ZMS 20

03

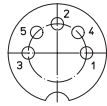
KGV ... C



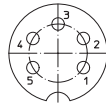
**03-a**  
**KGV 30 C**



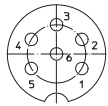
**04-a**  
**KGV 40 C**



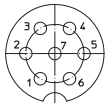
**05-b**  
**KGV 50 C**



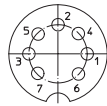
**05-a**  
**KGV 50/6 C**



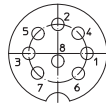
**06-a**  
**KGV 60 C**



**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:**  
in a cardboard box