

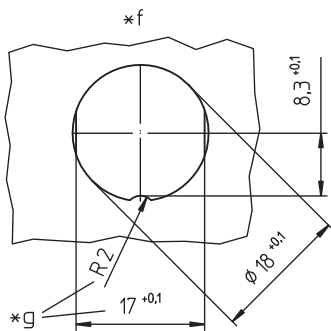
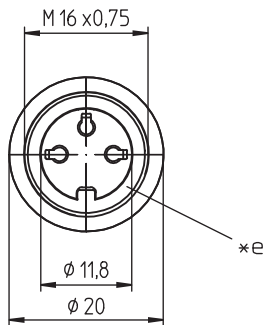
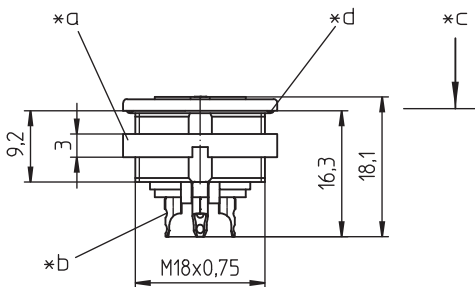
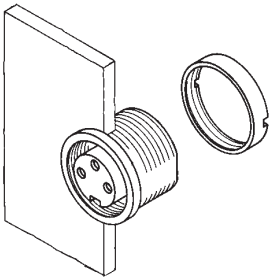
03 0304

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



Chassis socket acc. to IEC 61076-2-106, IP68, with threaded joint and solder terminals, for front mounting

03 0304



### Environmental conditions

Temperature range -40 °C/+85 °C

### Materials

Insulating body PA GF, V-0 according to UL94  
 Contact bush CuZn, silver-plated and flash gold-plated (3-8 poles)  
 CuZn, pre-nickel and gold-plated (12-14 poles)  
 Housing Zn diecast, pre-copper and nickel-plated  
 Ring screw CuZn, nickel-plated  
 Seal CR (flat), NBR (O-ring)

### Mechanical data

Insertion force/contact  $\leq 5.0 \text{ N}^1$   
 Withdrawal force/contact  $\geq 1.2 \text{ N}$  (3-8 poles)  
 $\geq 0.9 \text{ N}$  (12-14 poles)<sup>1</sup>  
 Tightening torque connector 1-3 Nm  
 Tightening torque nut 1-3 Nm  
 Protection class IP68<sup>2</sup>

<sup>1</sup> measured with a polished steel pin, nominal thickness 1.5 mm (1.0 mm with 12-14 poles)

<sup>2</sup> according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart; IPX8 requirements under agreement between manufacturer and user

### Connectable conductors for solder area

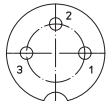
Section  $\leq 0.75 \text{ mm}^2$  (AWG 20)  
 (3-8 poles)  
 $\leq 0.25 \text{ mm}^2$  (AWG 24)  
 (12-14 poles)

### Electrical data (at $T_{\text{amb}} 20 \text{ °C}$ )

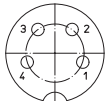
Contact resistance  $\leq 5 \text{ m}\Omega$   
 Rated current 5 A ( $T_{\text{amb}} 40 \text{ °C}$ , 3-8 poles)  
 3 A ( $T_{\text{amb}} 40 \text{ °C}$ , 12-14 poles)  
 Rated voltage with pollution degree 1:  
 300 V (versions 03, 04, 05-1, 06, 07)  
 100 V (versions 05, 07-1, 08, 08-1)  
 160 V (versions 12, 14)  
 with pollution degree 2:  
 250 V (versions 03, 04)  
 32 V (versions 05, 07-1, 08, 08-1)  
 160 V (versions 05-1, 06, 07, 12, 14)  
 Rated impulse voltage 1500 V (versions 03, 04, 05-1, 06, 07, 12, 14)  
 500 V (versions 05, 07-1, 08, 08-1)  
 Material group II (IEC)/1 (UL) ( $400 \leq \text{CTI} < 600$ )  
 Overvoltage category I  
 Insulation resistance  $> 100 \text{ M}\Omega$

**03 0304**

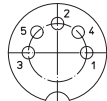
**Pin configurations, solder side view**



**03-a**  
**0304 03**



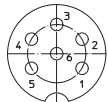
**04-a**  
**0304 04**



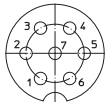
**05-b**  
**0304 05**



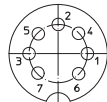
**05-a**  
**0304 05-1**



**06-a**  
**0304 06**



**07-a**  
**0304 07**



**07-b**  
**0304 07-1**



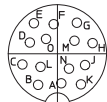
**0304 08**



**08-a**  
**0304 08-1**









**12-a**  
**0304 12**










**14-a**  
**0304 14**

**Associated products**

**Counterparts**

 0331	 0332	 0332-1
 033200	 0365	 036500

**Accessories**

 0322 C 16	 0381	 038199
 0382	 0384	 0385
 038799		

- \*a nut enclosed separately
- \*b cup-shaped solder terminal
- \*c mounting direction
- \*d O-ring gasket
- \*e flat gasket
- \*f port in mounting plate
- \*g anti-rotation, alternative execution

03

0304

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0304 03	3	50	100
0304 04	4	50	100
0304 05	5	50	100
0304 05-1	5	50	100
0304 06	6	50	100
0304 07	7	50	100
0304 07-1	7	50	100
0304 08	8	50	100
0304 08-1	8	50	100
0304 12	12	50	100
0304 14	14	50	100

**Packaging:**

in a cardboard box