

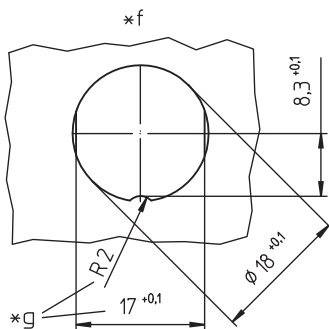
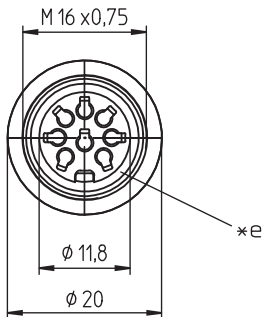
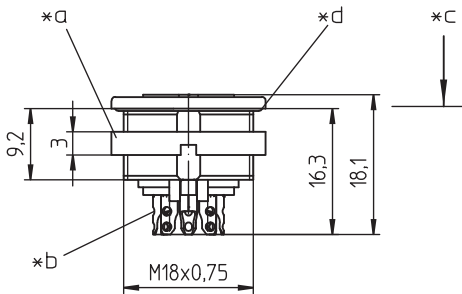
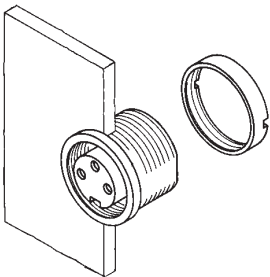
03 0304-1

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



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

03 0304-1



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
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	$\geq 1.2 \text{ N}^1$
Tightening torque connector	1-3 Nm
Tightening torque nut	1-3 Nm
Protection class	IP68 ²

¹ measured with a polished steel pin, nominal thickness 1.5 mm

² 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)

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

Contact resistance	$\leq 5 \text{ m}\Omega$
Rated current	5 A ($T_{\text{amb}} 40 \text{ °C}$)
Rated voltage	100 V (with pollution degree 1) 32 V (with pollution degree 2)
Rated impulse voltage	500 V
Material group	II (IEC)/1 (UL) ($400 \leq \text{CTI} < 600$)
Overvoltage category	I
Insulation resistance	$> 100 \text{ M}\Omega$

Associated products

Counterparts		
 0331	 0332	 0332-1
 033200	 0365	 036500
 Weitere Produkte auf Anfrage	 Weitere Produkte auf Anfrage	

Accessories		
 0322 C 16	 0381	 038199

03

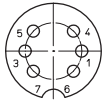
0304-1

Pin configurations, solder side view



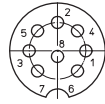
*h

0304-1 05-3



08-a


0304-1 08-1



 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
- *h pin configuration according to AISG C485

03

0304-1

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0304-1 05-3	5	50	100
0304-1 08-1	8	50	100

Packaging:

in a cardboard box