

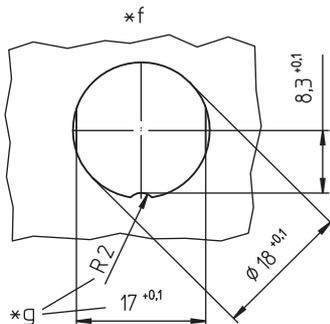
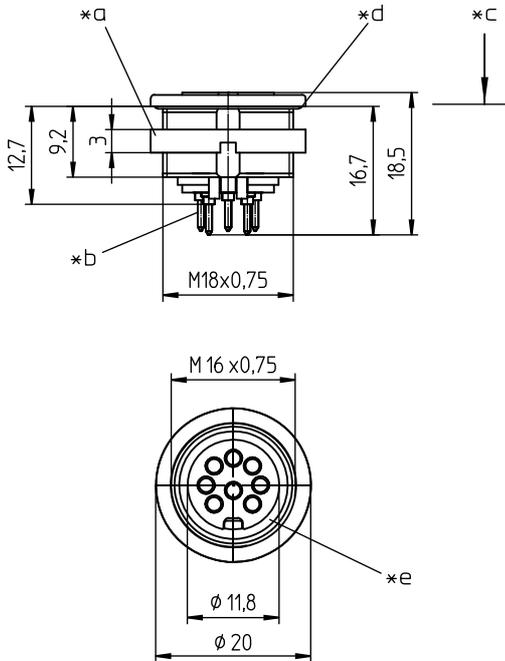
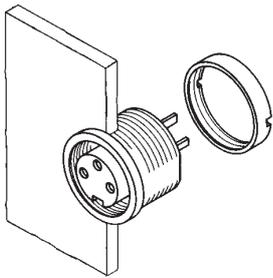
03 0306-2

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



SWUM™ chassis socket acc. to IEC 61076-2-106 and AISG specification, IP68/67, with threaded joint, for printed circuit boards, manual soldering, for front mounting

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### Environmental conditions

Temperature range -40 °C/+85 °C

### Materials

Insulating body	PA, V-2 according to UL94
Contact bush	CuZn, silver-plated and flash gold-plated, tin-plated in solder area
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	IP68/67 <sup>2</sup>

<sup>1</sup> measured with a polished steel pin, nominal thickness 1.5 mm

<sup>2</sup> according to IEC 60529/DIN EN 60529

IP68: sealed in locked position; pair of appropriate connectors in locked position is sealed against ingress of dust and moisture.

IP67: sealed when unmated (SWUM™); no dust or moisture can ingress into the inside of the device through an unmated connector accidentally left unprotected.

IPX8 requirements under agreement between user and manufacturer

### 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 $\leq$ CTI < 600)
Overvoltage category	I
Insulation resistance	> 100 M $\Omega$

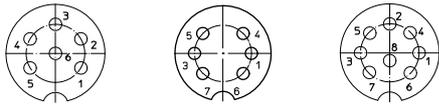
### Associated products

Counterparts			
 0331	 0332	 0332-1	
 033200	 0365	 036500	
 Weitere Produkte auf Anfrage	 Weitere Produkte auf Anfrage		
Accessories			
 0322 C 16	 0381	 038199	

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Pin configurations, solder side view



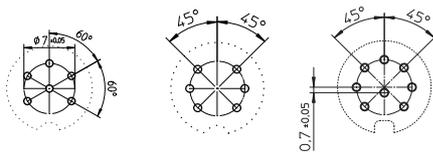
08-a

-            0306-2 06-1    0306-2 08-1

☞ 0382                      ☞ 0384                      ☞ 0385  
☞ 038799

Harnessing equipment  
☞ ZMS 20

Printed circuit board layout, solder side view



08-a

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- \*a nut enclosed separately
- \*b for bore hole in printed circuit board  $\varnothing 1$  mm
- \*c mounting direction
- \*d O-ring gasket
- \*e flat gasket
- \*f port in mounting plate
- \*g anti-rotation, alternative execution

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0306-2 06-1	6	50	100
0306-2 08-1	8	50	100

**Packaging:**

in a cardboard box