

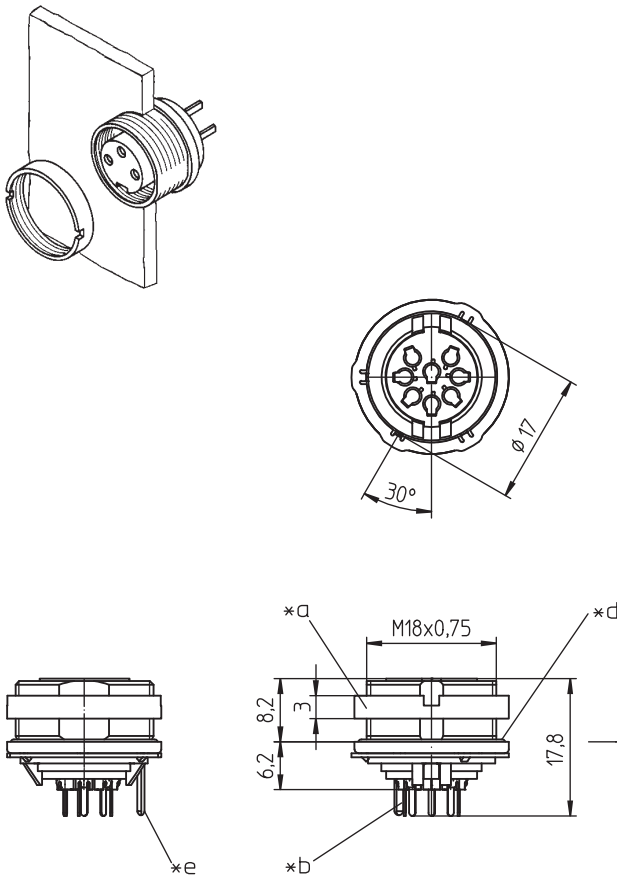
03 030798-1

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



Chassis socket acc. to IEC 61076-2-106 and AISG specification, IP68, with threaded joint and ground contact, for printed circuit boards, for back side mounting

03 030798-1



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, tin-plated in solder area
Ground contact	CuZn, pre-nickel and tin-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	≤ 5,0 N ¹
Withdrawal force/contact	≥ 1,2 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


Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	5 A (T _{amb} 40 °C)
Rated voltage	100 V (with pollution degree 1) 32 V (with pollution degree 2)
Rated impulse voltage	500 V
Material group	II (IEC)/I (UL) (400 ≤ CTI < 600)
Overtoltage category	I
Insulation resistance	> 100 MΩ

Associated products

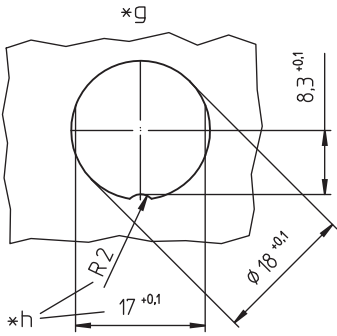
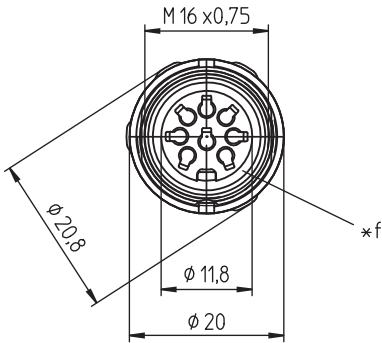
Counterparts			
 0331	 0332	 0332-1	
 033200	 0365	 036500	
 Weitere Produkte auf Anfrage	 Weitere Produkte auf Anfrage		

Accessories			
 0322 C 16	 0381	 038199	
 0384	 0385	 038799	

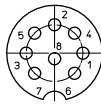
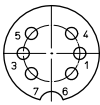
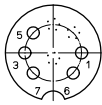
Harnessing equipment
 ZMS 20

03

030798-1



Pin configurations, solder side view



*i

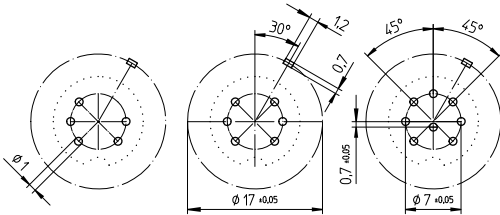
08-a

030798-1 05-3 030798-1 06-1 030798-1 08-1

03

030798-1

Printed circuit board layout, solder side view



*h

08-a

030798-1 05-3 030798-1 06-1 030798-1 08-1

- *a nut enclosed separately
- *b for bore hole in printed circuit board $\varnothing 1$ mm
- *c mounting direction
- *d O-ring gasket
- *e ground contact
- *f flat gasket
- *g port in mounting plate
- *h anti-rotation, alternative execution
- *i pin configuration according to AISG C485

03

030798-1

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
030798-1 05-3	8	50	100
030798-1 06-1	6	50	100
030798-1 08-1	8	50	100

Packaging:

in a cardboard box