03 030798-2

Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP67/IP68

SWUM™ chassis socket acc. to IEC 61076-2-106 and AISG specification, IP 68/67, with threaded joint and ground contact, for printed circuit boards, manual soldering, for back side mounting

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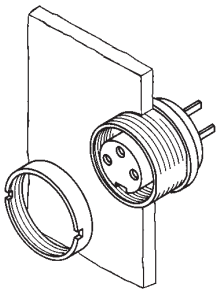
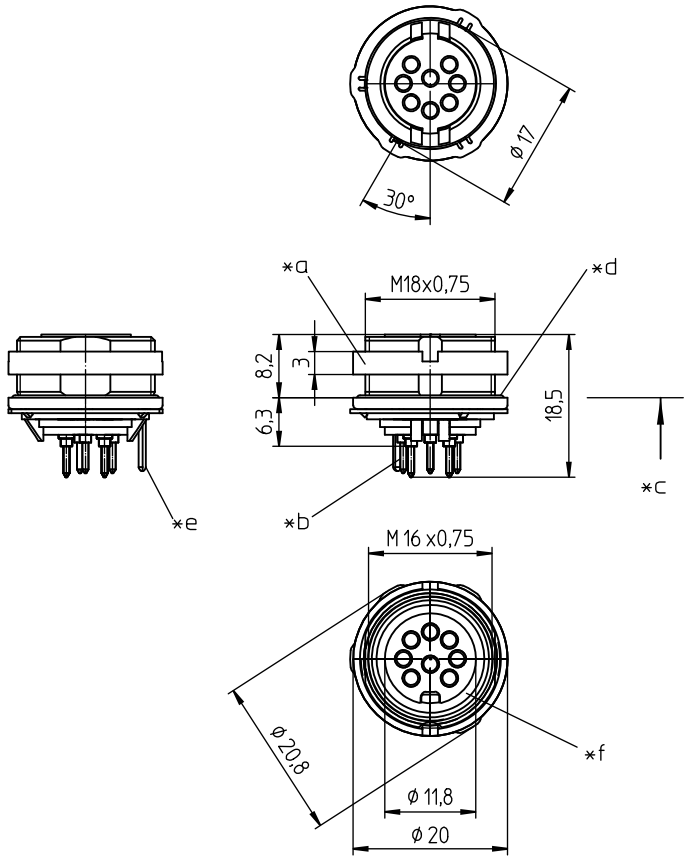




Environmental conditions

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
Ground contact	CuZn, pre-nickel and tin-plated
Housing	Zn diecast, pre-copper and nickel-plated
Ring screw	CuZn, nickel-plated
Seal	NBR

Mechanical data

Insertion force/contact	≤ 5.0 N [1]
Withdrawal force/contact	≥ 1.2 N [1]
Protection class	IP68/67 [2]

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

[2] 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 accidentially left unprotected.
IPX8 requirements under agreement between user and manufacturer

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	5 A (T_{amb} 40 °C)
Rated voltage	60 V
Rated impulse voltage	1 kV/60 s
Material group	II (IEC)/1 (UL) (CTI ≥ 450)
Overvoltage category	I
Insulation resistance	> 100 MΩ

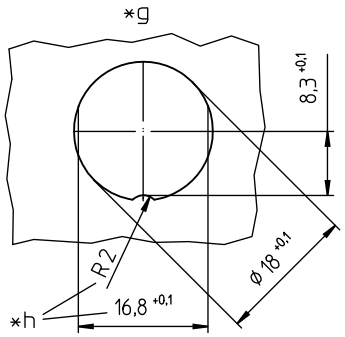
Associated products

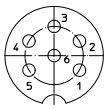
Counterparts

0331	0332	0332-1
033200	0365	036500

Accessories

0322 C 16	0381	038199
0384	0385	038799





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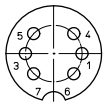

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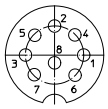
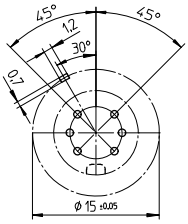
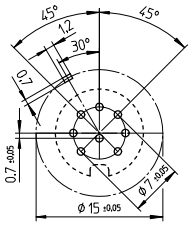


08-a
030798-2 08-1



030798-2 06-1



08-a
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*a nut enclosed separately
*b for bore hole in printed circuit board Ø 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

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
030798-2 06-1	6	50	100
030798-2 08-1	8	50	100

Packaging:
in a cardboard box