

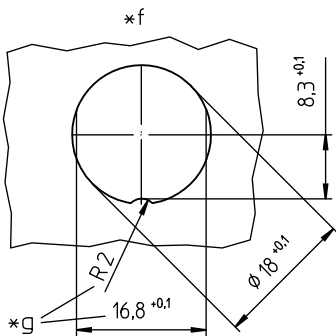
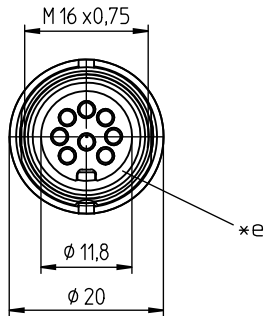
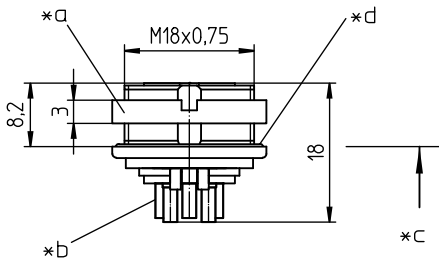
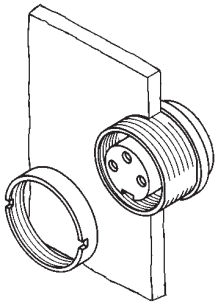
03 0305-2

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 solder terminals, 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
Housing	Zn diecast, pre-copper and nickel-plated
Ring screw	CuZn, nickel-plated
Seal	NBR

Mechanical data

Insertion force/contact	$\leq 5.0 \text{ N}^1$
Withdrawal force/contact	$\geq 1.2 \text{ N}^1$
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 accidentally left unprotected.
IPX8 requirements under agreement between user and manufacturer










Connectable conductors for solder area

Section $\leq 0.75 \text{ mm}^2$ (AWG 20)

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

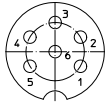
Contact resistance	$\leq 5 \text{ m}\Omega$
Rated current	5 A ($T_{\text{amb}} 40 \text{ °C}$)
Rated voltage	60 V
Rated impulse voltage	1 kV/60 s
Material group	II (IEC)/1 (UL) (CTI ≥ 450)
Overvoltage category	I
Insulation resistance	$> 100 \text{ M}\Omega$

Associated products

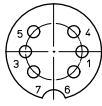
Counterparts			
 0331	 0332	 0332-1	
 033200	 0365	 036500	
Accessories			
 0322 C 16	 0381	 038199	

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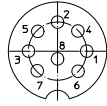
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06-a
0305-2 06




06-1
0305-2 06-1



08-a
0305-2 08-1

 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

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0305-2 06	6	50	100
0305-2 06-1	6	50	100
0305-2 08-1	8	50	100

Packaging:

in a cardboard box