

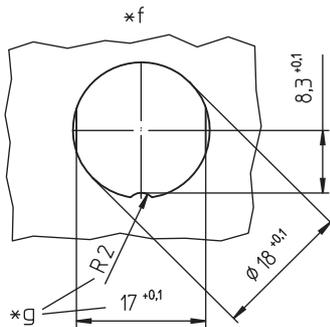
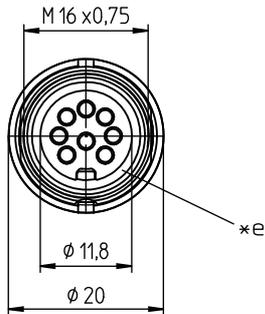
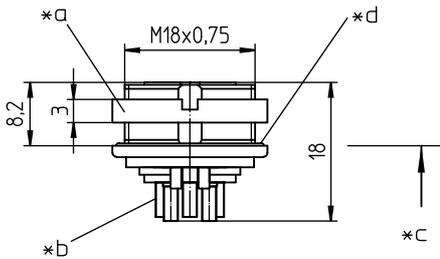
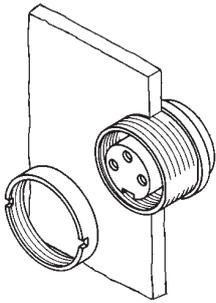
03 0305-2

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 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	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 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)

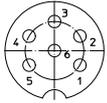
Electrical data (at $T_{\text{amb}} 20 \text{ °C}$)

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

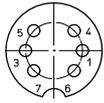
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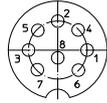
Pin configurations, solder side view



06-a
0305-2 06



0305-2 06-1



08-a
0305-2 08-1

- *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

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](#)

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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