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

Chassis socket acc. to IEC 61076-2-106, IP68, with threaded joint and solder terminals, for front mounting

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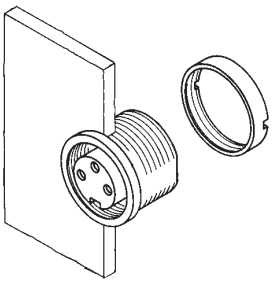

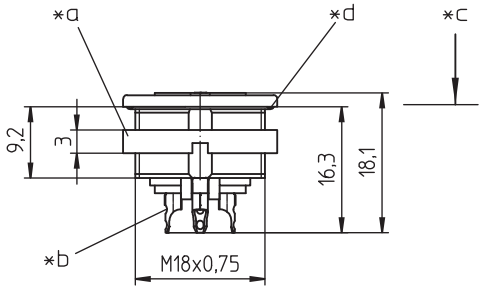

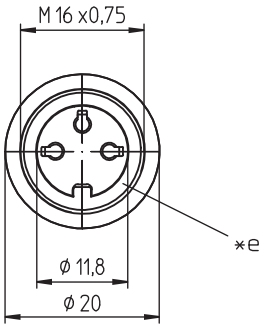

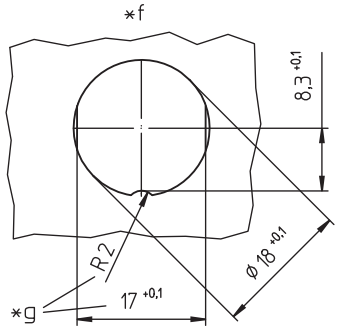

Environmental conditions

Temperature range	-40 °C/+85 °C

Materials

Insulating body	PA GF, V-0 according to UL94
Contact bush	CuZn, pre-nickel and silver-plated, passivated (3-8 poles) CuZn, pre-nickel and gold-plated (12-14 poles)
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 (3-8 poles) ≥ 0.9 N (12-14 poles) [1]
Tightening torque connector	1-3 Nm
Tightening torque nut	1-3 Nm
Thickness of mounting plate	1-5 mm
Protection class	IP68 [2]

[1] measured with a polished steel pin, nominal thickness 1.5 mm (1.0 mm with 12-14 poles)

[2] according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart; IPX8 requirements under agreement between manufacturer and user

Connectable conductors for solder area

Section	≤ 0.75 mm² (AWG 20) (3-8 poles) ≤ 0.25 mm² (AWG 24) (12-14 poles)

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	5 A (T_{amb} 40 °C, 3-8 poles) 3 A (T_{amb} 40 °C, 12-14 poles)
Rated voltage	with pollution degree 1: 300 V (versions 03, 04, 05-1, 06, 07) 100 V (versions 05, 07-1, 08, 08-1) 160 V (versions 12, 14) with pollution degree 2: 250 V (versions 03, 04) 32 V (versions 05, 07-1, 08, 08-1) 160 V (versions 05-1, 06, 07, 12, 14)
Rated impulse voltage	1500 V (versions 03, 04, 05-1, 06, 07, 12, 14) 500 V (versions 05, 07-1, 08, 08-1)
Material group	II (IEC)/1 (UL) (400 ≤ CTI < 600)
Overvoltage category	I
Insulation resistance	> 100 MΩ

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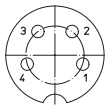
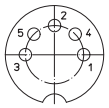
Pin configurations, solder side view

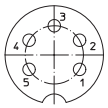
03-a
0304 03



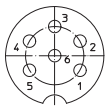
04-a
0304 04



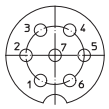
05-b
0304 05



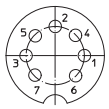
05-a
0304 05-1



06-a
0304 06



07-a
0304 07

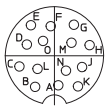


07-b
0304 07-1

0304 08

08-a
0304 08-1

12-a
0304 12



14-a
0304 14

*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

Accessories
- 0322 C 16
- 0381
- 038199
- 0382
- 0384
- 0385
- 038799

Harnessing equipment
- ZMS 20

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0304 03	3	50	100
0304 04	4	50	100
0304 05	5	50	100
0304 05-1	5	50	100
0304 06	6	50	100
0304 07	7	50	100
0304 07-1	7	50	100
0304 08	8	50	100
0304 08-1	8	50	100
0304 12	12	50	100
0304 14	14	50	100

Packaging:
in a cardboard box