

03 0305-1 U

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

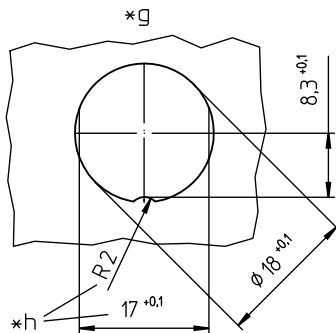
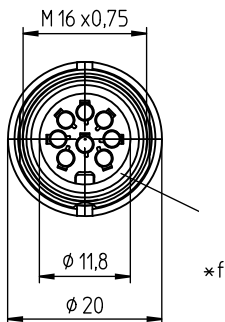
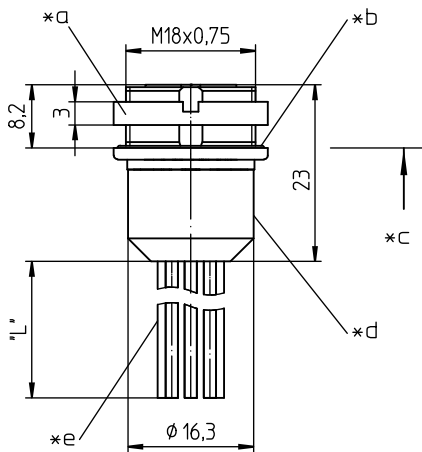


Chassis socket acc. to IEC 61076-2-106 and AISG specification, IP68, with threaded joint, cables and potted solder area, for back side mounting

State: Obsolete

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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, silver-plated and flash gold-plated
Housing	Zn diecast, pre-copper and nickel-plated
Ring screw	CuZn, nickel-plated
Potting	TPU, V-0 according to UL94
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

Connected cable

Construction	stranded wire, 7 x Ø 0.26 mm
Section	0.34 mm ² (AWG 22)

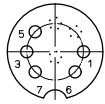
Electrical data (at T_{amb} 20 °C)

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)
Overvoltage category	I
Insulation resistance	> 100 MΩ

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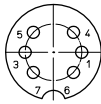
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Pin configurations, solder side view

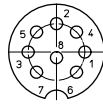


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08-a

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Color assignment of the cables

1	violett	violet
2	rot	red
3	grün	green
4	weiß	white
5	schwarz	black
6	grau	grey
7	blau	blue
8	braun	brown

- *a nut enclosed separately
- *b O-ring gasket
- *c mounting direction
- *d solder area potted
- *e stranded wire 0.34 mm² (AWG 22), 7 x Ø 0.26 mm
- *f flat gasket
- *g port in mounting plate
- *h anti-rotation, alternative execution
- *i pin configuration according to AISG C485

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)	Dimensions L (mm)
0305-1 05-3 U	5	50	100	-
0305-1 08-1 U	8	50	100	140

Packaging:

in a cardboard box