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0305-1 U

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

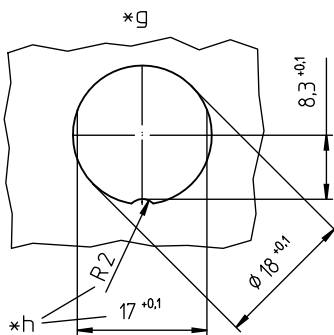
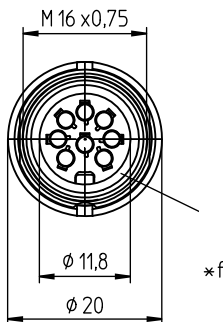
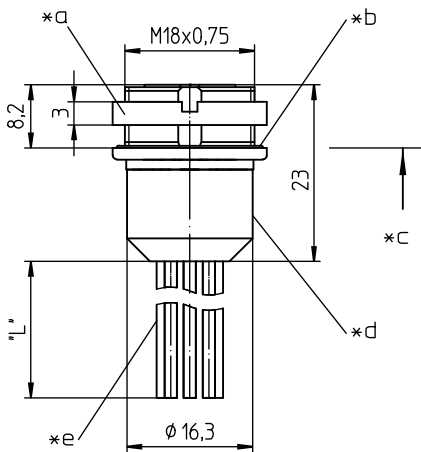


Chassis socket acc. to IEC 61076-2-106 and AISG specification, IP68, with threaded joint, cables and potted solder area, for back side mounting

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	$\leq 5.0 \text{ N}^1$
Withdrawal force/contact	$\geq 1.2 \text{ N}^1$
Tightening torque connector	1-3 Nm
Tightening torque nut	1-3 Nm
Protection class	IP68 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 $\phi 0.26 \text{ mm}$
Section	0,34 mm ² (AWG 22)

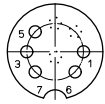
Electrical data (at $T_{\text{amb}} 20 \text{ }^\circ\text{C}$)

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

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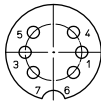
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Pin configurations, solder side view

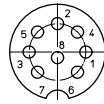


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08-a

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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

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0305-105-3 U	5	50	100	-
0305-108-1 U	8	50	100	140

Packaging:

in a cardboard box