

SUMMARY

Wires

Low voltage 16



Image is for illustrative purpose only

Series 1B
Termination type Female solder
IP rating 68 mated (mating interface)
AWG wire size 34.00 - 28.00
Cable Ø 0.00 - 0.00 mm
Status Active
Matching parts [FGG.1B.316.CLAD62](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model HE*: Fixed receptacle, nut fixing, watertight or vacuum-tight (back panel mounting)
Keying 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Variant PV : Watertight / Vacuum-tested unmated (connector to device)
Weight 13.27 g

Performance

Configuration 1B.316 : 16 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 1.5 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm

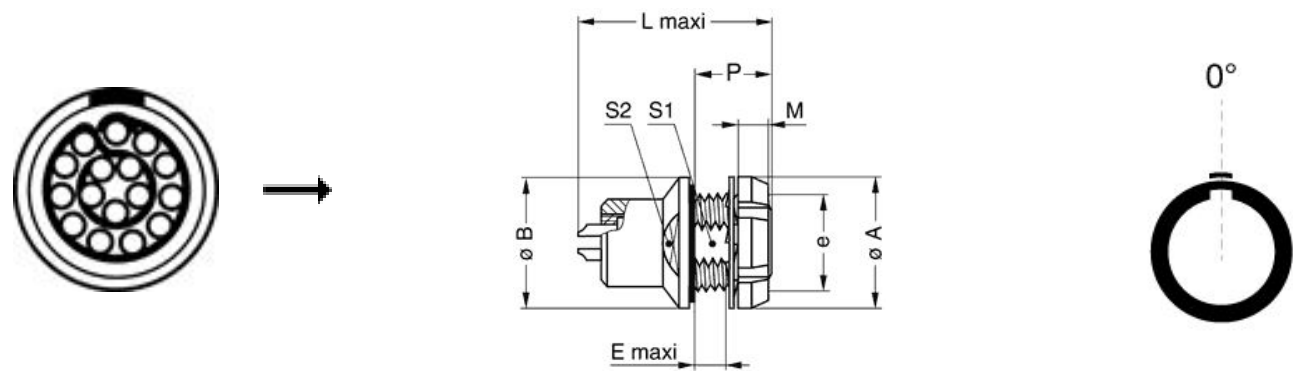
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

Others

Endurance (Shell): 5000
Temp (min / max): -20°C / +100°C
Humidity (max): <=95% [at 60 deg C / 140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Climatical Category: 20/80/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)
R leak (He) (max): 0.0000001 mbar*l/s (if vacuum-tested)
Salt Spray Corrosion: >1000 hr
Pressure: 60 bars

DRAWINGS



Dimensions

	A	B	E	L	M	P	S1	e
mm.	16	18	6.5	26.6	3.5	11.0	10.5	M12x1.0
in.	0,63	0,71	0,26	1,05	0,14	0,43	0,41	

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Tools

Spanner wrench: [Socket for torque wrench DCM.1S.M12.4](#)

Cables

CMN.16.T28.059PGZE		Grey	
CMN.16.T28.059PNZE			
CMN.16.T28.070NNZZ			
CMN.16.T30.047QGZE	TPR (medical)	Grey	
116080	PUR	Black	
116280	PVC	Black	
16050	PVC	Black	

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