

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series 1B
Termination type Female solder
IP rating 68
AWG wire size 34.00 - 28.00
Cable Ø 0.00 - 0.00 mm
Status active
Matching parts [FGG.1B.310.CLAD42](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model HM*: Fixed receptacle with grounding tab, 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 P : Watertight
Weight 12.44 g

Performance

Configuration 1B.310 : 10 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 2.5 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)

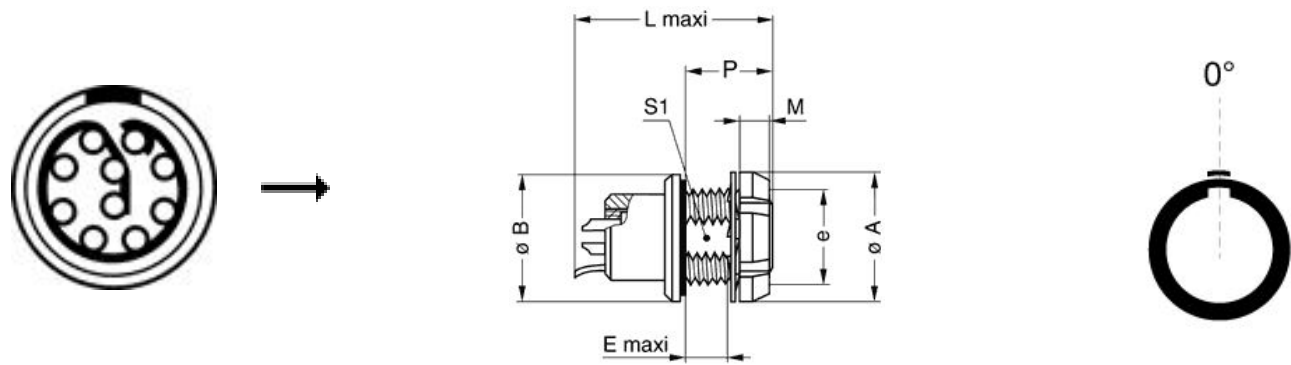
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R (max): 8.7 mOhm
Vtest (contact-shell): 1500 V (AC), 2120 V (DC)
Vtest (contact-contact): 900 V (AC), 1270 V (DC)

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)
Salt Spray Corrosion: >1000 hr
Pressure: 60 bars

DRAWINGS



Dimensions


| | A | B | E | L | M | P | S1 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 16 | 18 | 5.5 | 26 | 3.5 | 11 | 10.5 | M12x1.0 |
| in. | 0,63 | 0,71 | 0,22 | 1,02 | 0,14 | 0,43 | 0,41 | |

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Tools

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.10.T28.052PGZE | | Grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110280 | PVC | Black |  |

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