

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | 2B |
| Termination type | Female solder |
| IP rating | 68 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.2B.310.CLAD42Z |

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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 |
| Weight | 22.98 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 2B.310 : 10 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 8 Amps |

Specifications

Contact Type: Solder
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm

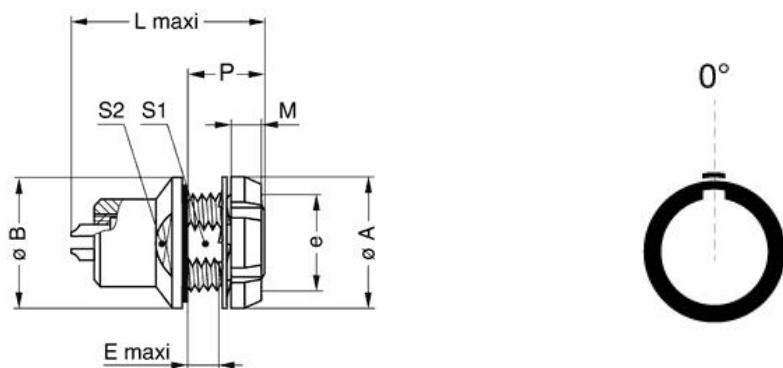
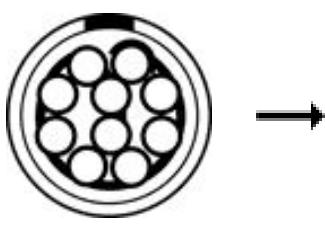
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Vtest (contact-shell): 1300 V (AC), 1840 V (DC)
Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

Others

Endurance (Shell): 5000
Temp (min / max): -20 °C / +80 °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: 40 bars

DRAWINGS



Dimensions

| | A | B | E | L | M | P | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 20 | 20 | 5.5 | 31.6 | 3.5 | 9.6 | 13.5 | 15 | M15x1.0 |
| in. | 0,79 | 0,79 | 0,22 | 1,24 | 0,14 | 0,38 | 0,53 | 0,59 | |

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Tools

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.10.T22.068QGZE | TPR (medical) | Grey |  |
| CMN.10.T28.052PGZE | | Grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110220 | PVC | Black |  |
| 110240 | PTFE | White |  |
| 110260 | PTFE | White |  |
| 110280 | PVC | Black |  |
| 210140 | PVC | Grey |  |
| 210240 | PVC | Black |  |
| 210250 | PVC | Grey |  |
| 210260 | PVC | Black |  |

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