

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 0B |
| 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.0B.304.CLAD22 |

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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 | PV : Watertight / Vacuum-tested |
| Weight | 5.79 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 0B.304 : 4 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps |

Specifications

Contact Type: Solder
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
Max. Stranded Conductor: 0.34 mm² (AWG 22)

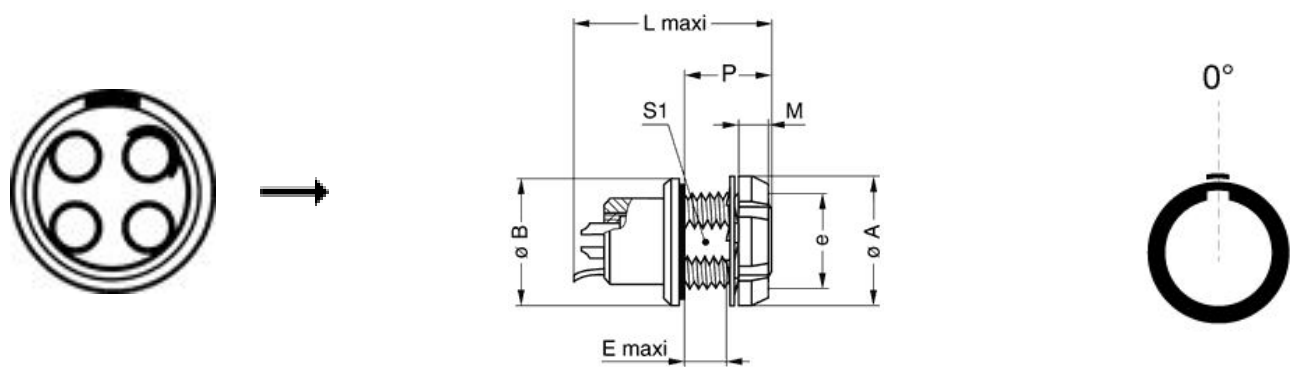
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R (max): 6.1 mOhm
Vtest (contact-contact): 850 V (AC), 1200 V (DC)
Vtest (contact-shell): 700 V (AC), 1000 V (DC)

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. | 12 | 13 | 4.7 | 21.5 | 2.5 | 9 | 8.2 | M9x0.6 |
| in. | 0,47 | 0,51 | 0,19 | 0,85 | 0,10 | 0,35 | 0,32 | |

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Tools

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.04.T22.047QGC | TPR | Grey | |
| CMN.04.T22.048QGZE | TPR (medical) | Grey |  |
| CMN.04.T28.031PGCE | PVC | GREY |  |
| CMN.04.T28.031PGZE | | Grey |  |
| CMN.04.T28.031PNCE | PVC | Black |  |
| CMN.04.T28.031PNZE | | |  |
| CMN.04.T28.031QGC | TPR | Grey | |
| 140240 | PVC | Black |  |
| 140250 | PVC | Grey |  |
| 40080 | PVC | Black | |
| 40086 | PVC | Blue | |
| 40140 | PVC | Black |  |
| 40240 | PTFE | White |  |
| 40260 | PVC | Black |  |
| 4041 | PVC | Grey |  |
| 4050 | PVC | Black |  |
| 4080 | PVC | Grey | |
| 417920 | PVC | Grey |  |
| 4220 | PVC | Black |  |
| 4221 | PVC | Black |  |
| 4260 | PTFE | White |  |
| 4280 | PVC | Black |  |
| 80080 | PVC | Grey | |
| 80082 | PVC | Red | |
| 80084 | PVC | Black | |
| CTR.75.030.121870G | PVC | Grey |  |

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