

## SUMMARY

### # Wires

Low voltage 5



*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

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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 P : Watertight  
Weight 5.26 g

### Performance

Configuration 0B.305 : 5 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 6.5 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm

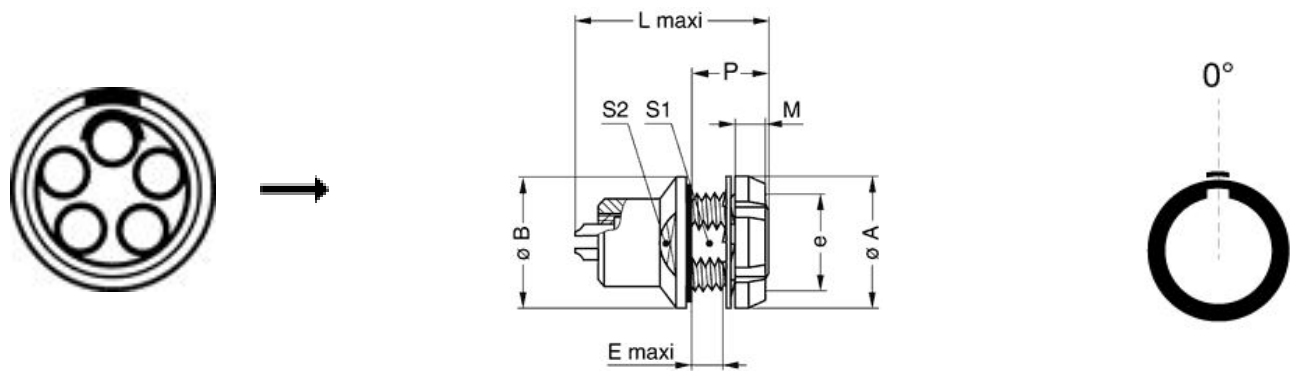
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Vtest (contact-shell): 700 V (AC), 1000 V (DC)  
Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

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. | 12   | 13   | 5.5  | 21.5 | 2.5  | 9.0  | 8.2  | M9x0.6 |
| in. | 0,47 | 0,51 | 0,22 | 0,85 | 0,10 | 0,35 | 0,32 |        |

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Tools

Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey  |  |
| CMN.05.T28.029PGCE | PVC           | GREY  |   |
| CMN.05.T28.029PGZE |               | Grey  |  |
| CMN.05.T28.029PNCE | PVC           | Black |   |
| CMN.05.T28.029PNZE |               |       |  |
| 150250             | PVC           | Grey  |   |
| 50090              | PVC           | Black |   |
| 50140              | PVC           | Grey  |  |
| 5050               | PVC           | Black |   |

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