

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 1B                                 |
| Termination type | Female solder                      |
| IP rating        | 50                                 |
| AWG wire size    | 30.00 - 22.00                      |
| Cable Ø          | 0.00 - 0.00 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">PHJ.1B.308.CLAD62Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FA*: Fixed plug, non-latching, nut fixing   |
| Keying            | 2 keys (gamma=45, plug: female contacts, receptacle: male 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 |
| Weight            | 12.30 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.308 : 8 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 5 Amps                    |

### Specifications

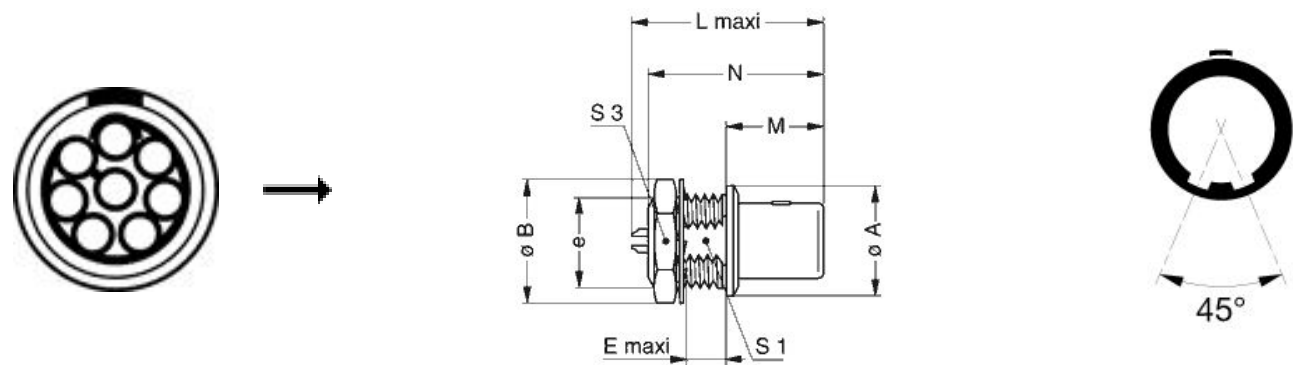
|  |
|--|
| Contact Type: Solder                                   |
| Contact Dia.: 0.7 mm (0.028in)                         |
| Bucket Dia.: 0.8 mm (0.031in)                          |
| Max. Solid Conductor: 0.34 mm <sup>2</sup> (AWG 22)    |
| Max. Stranded Conductor: 0.34 mm <sup>2</sup> (AWG 22) |
| R (max): 6.1 mOhm                                      |
| Vtest (contact-shell): 1150 V (AC), 1630 V (DC)        |
| Vtest (contact-contact): 950 V (AC), 1340 V (DC)       |

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Others

Endurance (Shell): 5000  
Temp (min / max): -55° C / +250° 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: 50/175/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions


|     | A    | B    | E    | L    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 14   | 16   | 5.4  | 25.2 | 12.5 | 21.6 | 10.5 | 14   | M12x1.0 |
| in. | 0,55 | 0,63 | 0,21 | 0,99 | 0,49 | 0,85 | 0,41 | 0,55 |         |

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Tools

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## Cables

|                    |               |        |  |
|--------------------|---------------|--------|--|
| CMN.08.T22.059QGC  | TPR           | Grey   |  |
| CMN.08.T22.059QGZE | TPR (medical) | Grey   |   |
| CMN.08.T26.042QGZE | TPR (medical) | Grey   |   |
| 108220             | PVC           | Black  |   |
| 108240             | PTFE          | White  |   |
| 108260             | PTFE          | White  |   |
| 16080              | PVC           | Grey   |  |
| 180240             | PVC           | Black  |   |
| 180260             | PVC           | Black  |   |
| 280250             | PVC           | Grey   |   |
| 335990             | PVC           | Black  |    |
| 335991             | PVC           | Black  |    |
| 42265              | PVC           | Yellow |  |
| 80140              | PVC           | Grey   |   |
| 8050               | PVC           | Black  |   |
| 8280               | PVC           | Black  |  |

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