

## SUMMARY

### # Wires

Low voltage 14



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 3B                                |
| Termination type | Male solder                       |
| IP rating        | 50                                |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">PHG.3B.314.CLLD10</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FA*: Fixed plug, non-latching, nut fixing                                                                                     |
| 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 |
| Weight            | 34.44 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 3B.314 : 14 Low Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 9 Amps                    |

### Specifications

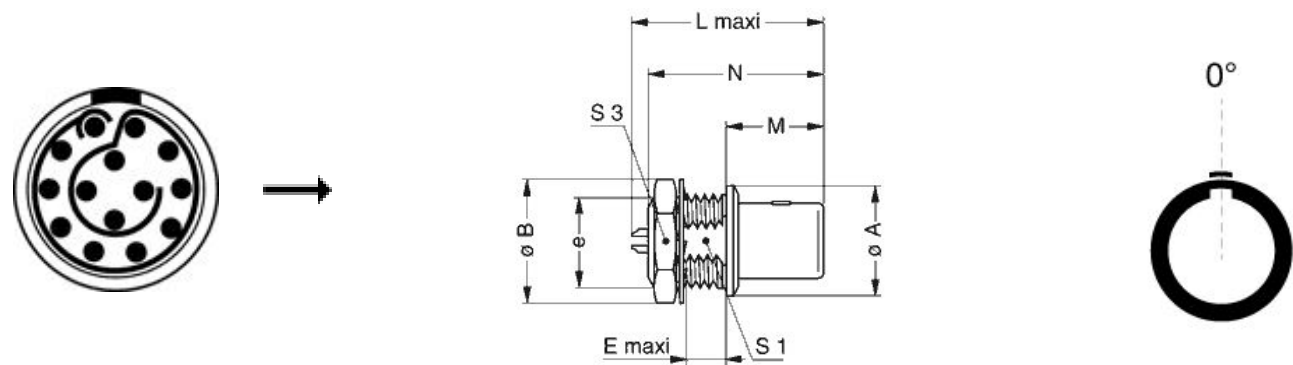
Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
Vtest (contact-contact): 1200 V (AC), 1700 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

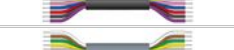
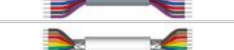
|     | A    | B    | E    | L    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 22   | 25.2 | 5.8  | 32.1 | 17   | 30.2 | 16.5 | 22   | M18x1.0 |
| in. | 0,87 | 0,99 | 0,23 | 1,26 | 0,67 | 1,19 | 0,65 | 0,87 |         |

RECOMMENDED BY LEMO

Tools

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## Cables

|                    |               |       |                                                                                     |
|--------------------|---------------|-------|-------------------------------------------------------------------------------------|
| CMN.14.T22.068PGCE | PVC           | GREY  |  |
| CMN.14.T22.068PGZE |               | Grey  |  |
| CMN.14.T22.068PNCE | PVC           | Black |  |
| CMN.14.T22.068PNZE |               |       |  |
| CMN.14.T28.056PGZE |               | Grey  |  |
| CMN.14.T28.056PNZE |               |       |  |
| CMN.14.T28.056QGZE | TPR (medical) | Grey  |  |
| 114260             | PTFE          | White |  |
| 214140             | PVC           | Black |  |
| 214240             | PTFE          | White |  |
| 314250             | PVC           | Grey  |  |

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