

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1B                             |
| Termination type | Female solder                  |
| IP rating        | 50                             |
| AWG wire size    | 30.00 - 22.00                  |
| Cable Ø          | 3.10 - 4.20 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGJ.1B.304.CLA</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief  |
| 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 |
| Variant           | Z : Nut for fitting a bend relief   |
| Weight            | 16.44 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.304 : 4 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 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

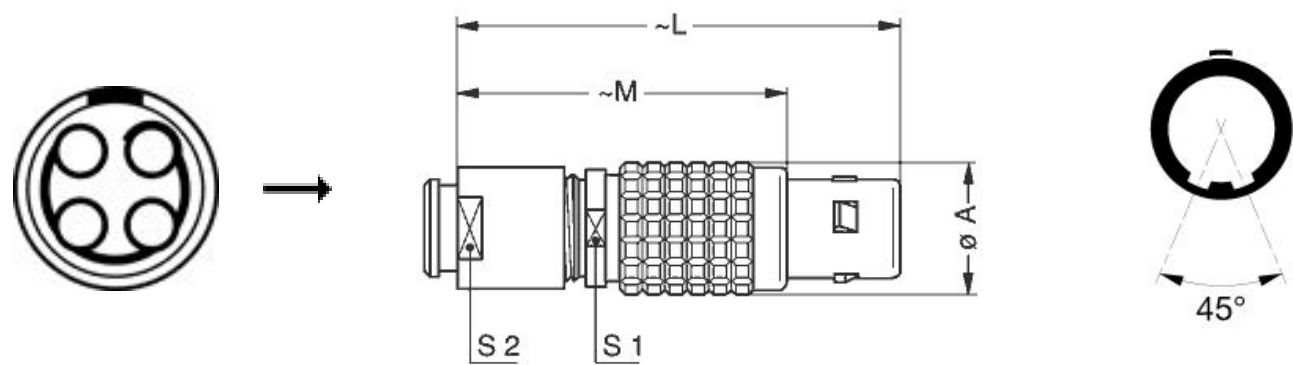
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Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 12   | 42   | 31   | 10   | 9    |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |


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Tools

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Spanner wrench: [DCD.1B.015.PA090](#)

## Cables

|                    |      |       |   |
|--------------------|------|-------|---|
| 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  |   |
| 40080              | PVC  | Black |   |
| 40086              | PVC  | Blue  |   |
| 40140              | PVC  | Black |  |
| 40240              | PTFE | White |  |
| 4260               | PTFE | White |  |

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