

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 1B                                 |
| Termination type | Male solder                        |
| IP rating        | 50                                 |
| AWG wire size    | 30.00 - 22.00                      |
| Cable Ø          | 4.30 - 5.20 mm                     |
| Status           | obsolete                           |
| Alternative part | <a href="#">FPG.1B.306.CLAD52Z</a> |
| Matching parts   | <a href="#">EGG.1B.306.CLL</a>     |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FH*: Elbow plug, cable collet and nut for fitting a bend relief   |
| 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           | Z : Nut for fitting a bend relief   |
| Weight            | 23.51 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.306 : 6 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. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm

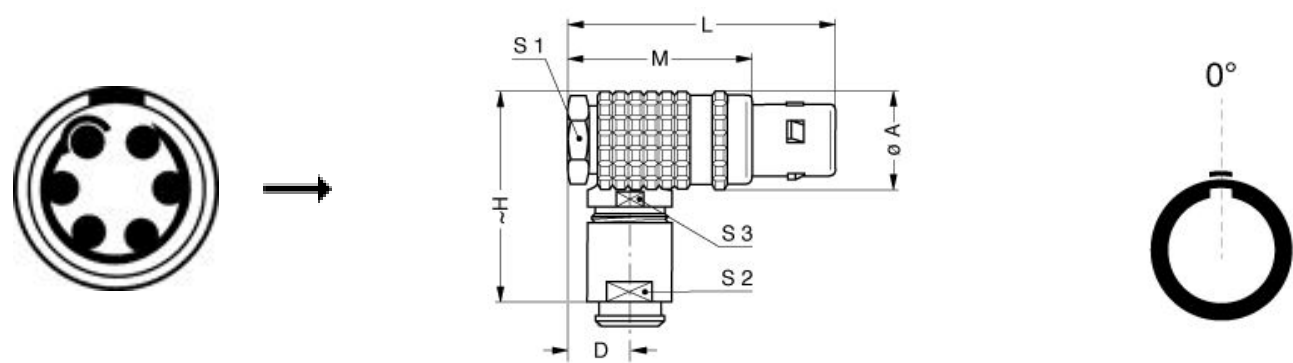
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Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

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    | D    | H    | L    | M    | S1   | S2   | S3   |
|-----|------|------|------|------|------|------|------|------|
| mm. | 13.5 | 8    | 28.1 | 36   | 25   | 11   | 9    | 10   |
| in. | 0,53 | 0,31 | 1,11 | 1,42 | 0,98 | 0,43 | 0,35 | 0,39 |

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Tools

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

Cables

|                    |      |       |   |
|--------------------|------|-------|---|
| CMN.06.T28.044PGZE |      | Grey  |  |
| CMN.06.T28.044PNZE |      |       |  |
| 106240             | PTFE | White |  |
| 160140             | PVC  | Grey  |  |
| 160260             | PVC  | Black |  |
| 6280               | PVC  | Black |  |

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