

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Series           | 2B                                                                   |
| Termination type | Male crimp                                                           |
| IP rating        | 50                                                                   |
| AWG wire size    | 24.00 - 20.00                                                        |
| Cable Ø          | 4.30 - 5.20 mm                                                       |
| Status           | active                                                               |
| Matching parts   | <a href="#">EGG.2B.310.CLL</a><br><a href="#">PFG.2B.310.CYMD52Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight 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            | 30.86 g                                                                                                                       |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 2B.310 : 10 Low Voltage    |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 8 Amps                     |

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)

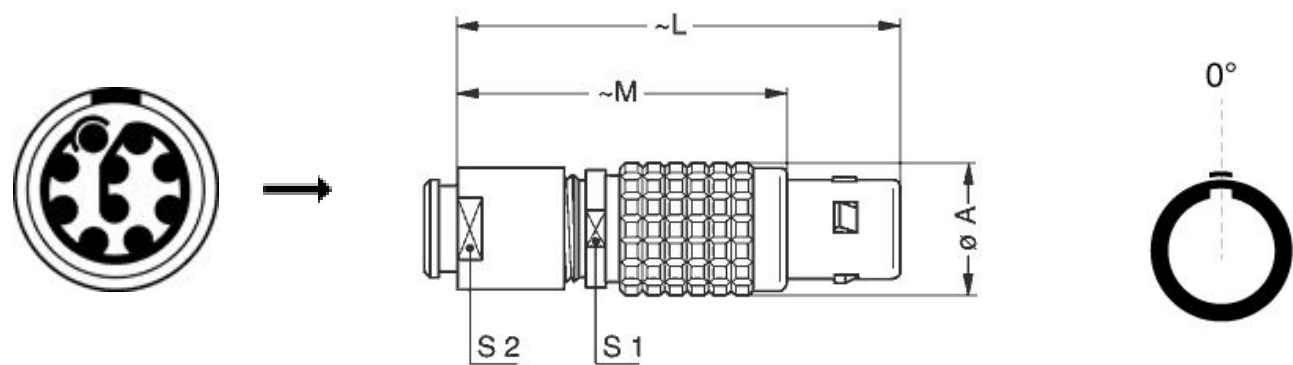
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R (max): 4.8 mOhm  
Vtest (contact-shell): 2100 V (AC), 2970 V (DC)  
Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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. | 15   | 49   | 37   | 13   | 12   |
| in. | 0,59 | 1,93 | 1,46 | 0,51 | 0,47 |

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Tools

- Crimp Tool:

[DPC.91.701.V](#)
- Crimp settings:

AWG/Selector = 20-22-24/6-5-5
- Positionner:

[DCE.91.092.BVC](#)
- Extractor:

[DCF.91.090.2LT](#)
- Replacement contact:

FGG.2B.560.ZZC
- Spanner wrench:

[DCD.2B.025.PA120](#)
- Caps:

[BFG.2B.100.PCSG](#)

Cables

|                    |      |       |                                                                                     |
|--------------------|------|-------|-------------------------------------------------------------------------------------|
| CMN.10.T28.052PGZE |      | Grey  |  |
| CMN.10.T28.052PNZE |      |       |  |
| 110260             | PTFE | White |  |

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