

## SUMMARY

### # Wires

Low voltage 24



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 3B                                |
| Termination type | Male crimp                        |
| IP rating        | 50                                |
| AWG wire size    | 26.00 - 22.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGJ.3B.324.CYMD12</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing                                                                                             |
| Keying            | 2 keys (alpha=37.5, 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            | 26.18 g                                                                                                                       |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 3B.324 : 24 Low Voltage    |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 4 Amps                     |

### Specifications

Contact Type: Crimp  
Contact Retention: 22 N  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1350 V (AC), 1910 V (DC)

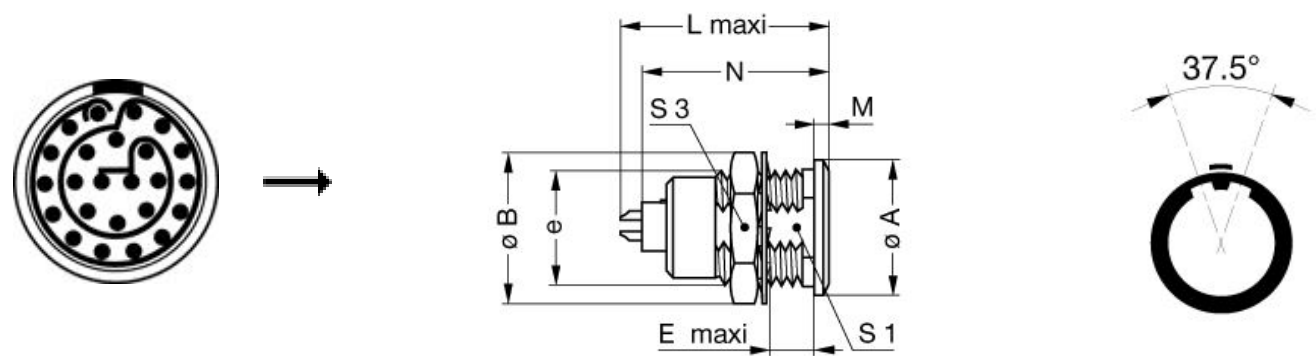
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Vtest (contact-contact): 1350 V (AC), 1910 V (DC)  
□

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    | B    | E    | L    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 22   | 25   | 11.5 | 30.7 | 2    | 28.1 | 16.5 | 22   | M18x1.0 |
| in. | 0,87 | 0,98 | 0,45 | 1,21 | 0,08 | 1,11 | 0,65 | 0,87 |         |

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Tools

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|                      |                                |
|----------------------|--------------------------------|
| Crimp Tool:          | <a href="#">DPC.91.701.V</a>   |
| Crimp settings:      | AWG/Selector = 22-24-26/6-5-5  |
| Positionner:         | <a href="#">DCE.91.073.BVC</a> |
| Extractor:           | <a href="#">DCF.92.070.3LT</a> |
| Replacement contact: | FGG.3B.555.ZZC                 |

Cables

|                    |     |       |                                                                                     |
|--------------------|-----|-------|-------------------------------------------------------------------------------------|
| CMN.24.T22.082PGCE | PVC | GREY  |  |
| CMN.24.T22.082PGZE |     | Grey  |  |
| CMN.24.T22.082PNCE | PVC | Black |  |
| CMN.24.T22.082PNZE |     |       |  |
| 224260             | PVC | Black |  |
| 248080             | PVC | Grey  |                                                                                     |
| 324220             | PVC | Black |  |
| 324240             | PVC | Black |  |
| 424250             | PVC | Grey  |  |

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