

SUMMARY

Wires

Low voltage 18



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 3B |
| Termination type | Female crimp |
| IP rating | 50 |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 10.80 - 11.90 mm |
| Status | active |
| Matching parts | FGG.3B.318.CYCD12 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle, cable collet |
| 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 |

Performance

| | |
|---------------|----------------------------|
| Configuration | 3B.318 : 18 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 7 Amps |

Specifications

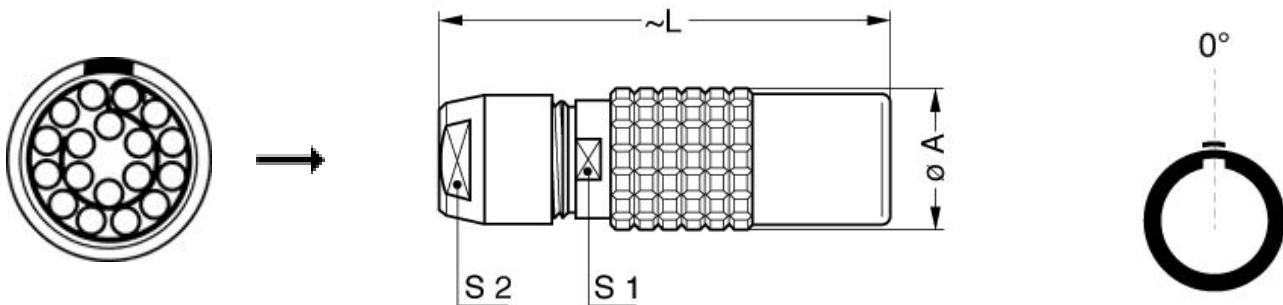
| | |
|--------------------------|-------------------------------|
| Contact Type: | Crimp |
| Contact Retention: | 30 N |
| Contact Dia.: | 0.9 mm (0.035in) |
| Bucket Dia.: | 1.1 mm (0.043in) |
| Min. Conductor: | 0.25 mm ² (AWG 24) |
| Max. Conductor: | 0.5 mm ² (AWG 20) |
| R (max): | 4.8 mOhm |
| Vtest (contact-shell): | 1600 V (AC), 2250 V (DC) |
| Vtest (contact-contact): | 1850 V (AC), 2600 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 | L | S1 | S2 |
|-----|------|------|------|------|
| mm. | 19 | 56 | 15 | 14 |
| in. | 0,75 | 2,20 | 0,59 | 0,55 |

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner: [DCE.91.093.BVM](#)
Extractor: [DCF.91.093.5LT](#)
Replacement contact: EGG.3B.660.ZZM
Spanner wrench: [DCD.3B.040.PA140](#)

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