

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 3 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|--|
| Series | 1B |
| Termination type | Male crimp |
| IP rating | 50 |
| AWG wire size | 20.00 - 18.00 |
| Cable Ø | 5.30 - 6.20 mm |
| Status | active |
| Matching parts | EGG.1B.303.CLL PHG.1B.303.CYMD62Z |

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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 | 16.72 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 1B.303 : 3 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 12 Amps |

Specifications

| | |
|--------------------|------------------------------|
| Contact Type: | Crimp |
| Contact Retention: | 40 N |
| Contact Dia.: | 1.3 mm (0.051in) |
| Bucket Dia.: | 1.4 mm (0.055in) |
| Min. Conductor: | 0.5 mm ² (AWG 20) |
| Max. Conductor: | 1 mm ² (AWG 18) |

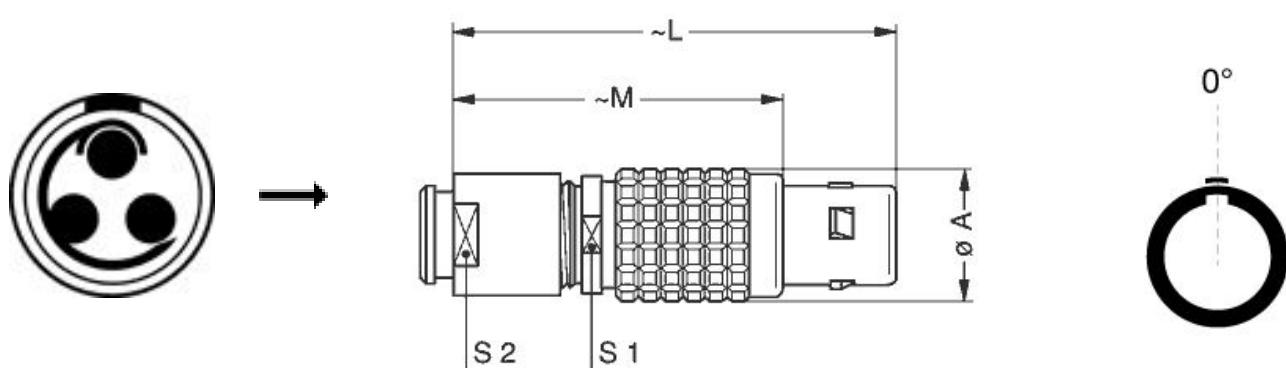
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R (max): 3.6 mOhm
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)
Vtest (contact-contact): 1600 V (AC), 2250 V (DC)

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

| | |
|----------------------|----------------------------------|
| Crimp Tool: | DPC.91.701.V |
| Crimp settings: | AWG/Selector = 18-20/8-7 |
| Positionner: | DCE.91.131.BVC |
| Extractor: | DCF.91.131.2LT |
| Replacement contact: | FGG.1B.565.ZZC |
| Spanner wrench: | DCD.1B.015.PA090 |
| Caps: | BFG.1B.100.PCSG |

Cables

| | | | |
|--------------------|---------------|------|---|
| CMN.03.T18.055PGZE | | Grey |  |
| CMN.03.T18.055PNZE | | |  |
| CMN.03.T18.055QGZE | TPR (medical) | Grey |  |
| 230500 | PVC | Grey |  |
| 230750 | PVC | Grey |  |

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