

SUMMARY

Wires

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



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 1B |
| Termination type | Female crimp |
| IP rating | 50 |
| AWG wire size | 20.00 - 18.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.1B.303.CYCD62 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EE*: Fixed receptacle, nut fixing (back panel mounting) |
| 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 |
| Weight | 11.62 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) |
| R (max): | 3.6 mOhm |
| Vtest (contact-shell): | 1850 V (AC), 2600 V (DC) |

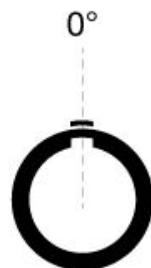
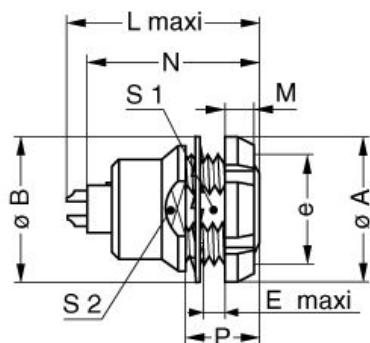
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Vtest (contact-contact): 1600 V (AC), 2250 V (DC)

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 | B | E | L | M | N | P | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|------|---------|
| mm. | 16 | 16 | 6.5 | 23 | 3.5 | 21.1 | 11 | 10.5 | 13 | M12x1.0 |
| in. | 0,63 | 0,63 | 0,26 | 0,91 | 0,14 | 0,83 | 0,43 | 0,41 | 0,51 | |

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)
 Crimp settings: AWG/Selector = 18-20/8-7
 Positionner: [DCE.91.131.BVM](#)
 Extractor: [DCF.91.131.2LT](#)
 Replacement contact: EGG.1B.665.ZZM

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.03.T18.055PGZE | | Grey |  |
| CMN.03.T18.055PNZE | | |  |
| CMN.03.T18.055QGZE | TPR (medical) | Grey |  |
| CMN.03.T20.049PGZE | | Grey |  |
| CMN.03.T20.049PNZE | | |  |
| CMN.03.T28.031PGCE | PVC | GREY |  |
| CMN.03.T28.031PGZE | | Grey |  |
| CMN.03.T28.031PNCE | PVC | Black |  |
| CMN.03.T28.031PNZE | | |  |
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 230500 | PVC | Grey |  |
| 230750 | PVC | Grey |  |
| 30110 | PVC | Grey |  |
| 30141 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3041 | PVC | Grey |  |
| 3050 | PVC | Black |  |
| 3081 | PVC | Black | |
| 3220 | PVC | Black |  |
| 3280 | PVC | Black |  |
| 60080 | PVC | Grey | |

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