

SUMMARY



Wires

| | |
|---------|---|
| Low | 5 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |

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| | |
|------------------|--------------------|
| Series | 1B |
| Termination type | Female crimp |
| IP rating | 50 |
| Cable Ø | 0.00 - 0.00 mm |
| Matching parts | FGG.1B.305.CYCD62Z |

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Housing Material | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing | ∅ 0 - 0 mm |
| Variant | |

Performance

| | |
|---------------|----------------------------|
| Configuration | 1B.305 : 5 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 9 Amps |

Specifications

| |
|---|
| Contact Type: Crimp |
| Max. Matings: 5000 |
| 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): 1550 V (AC), 2200 V (DC)
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

Others

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]
Salt Spray Corrosion: >1000 hr
Climatical Category: 50/175/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)
IP Rating: 50

DRAWINGS

Draws



Dimensions



















| | A | B | E | L | M | N | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 14 | 16 | 7.5 | 23 | 1.5 | 21.1 | 10.5 | 14 | M12x1.0 |
| in. | 0,55 | 0,63 | 0,30 | 0,91 | 0,06 | 0,83 | 0,41 | 0,55 | |

RECOMMENDED BY LEMO

Tools

Crimp Tool: DPC.91.701.V
Crimp settings: AWG/Selector = 20-22-24/6-5-5
Positionner: DCE.91.091.BVM
Extractor: DCF.91.090.2LT

Cables

| | | | |
|--------------------|---------------|-------|--|
| CMN.05.T20.057PGCE | PVC | GREY |  |
| CMN.05.T20.057PGZE | | Grey |  |
| CMN.05.T20.057PNCE | PVC | Black |  |
| CMN.05.T20.057PNZE | | |  |
| CMN.05.T20.057QGZE | TPR (medical) | Grey |  |
| CMN.05.T22.051PGCE | PVC | GREY |  |
| CMN.05.T22.051PGZE | | Grey |  |
| CMN.05.T22.051PNCE | PVC | Black |  |
| CMN.05.T22.051PNZE | | |  |
| CMN.05.T22.051QGZE | TPR (medical) | Grey |  |
| CMN.05.T28.029PGCE | PVC | GREY |  |
| CMN.05.T28.029PGZE | | Grey |  |
| CMN.05.T28.029PNCE | PVC | Black |  |
| CMN.05.T28.029PNZE | | |  |
| 005 050 | PVC | Black |  |
| 050 090 | PVC | Black | |
| 050 140 | PVC | Grey |  |
| 150 250 | PVC | Grey |  |
| 250 500 | PVC | Grey |  |