

SUMMARY



Image is for illustrative purpose only

Wires

| | |
|---------|---|
| Low | 2 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |

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| | |
|------------------|-------------------|
| Series | 3B |
| Termination type | Male crimp |
| IP rating | 50 |
| Cable Ø | 0.00 - 0.00 mm |
| Matching parts | FGJ.3B.302.CYMD12 |
| Status | |
| Alternative part | |

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EC*: Fixed receptacle with two nuts (back panel mounting) |
| Keying | 2 keys (alpha=37.5, plug: female contacts, receptacle: male 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 | 3B.302 : 2 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 35 Amps |

Specifications

| |
|--|
| Contact Type: Crimp |
| Max. Matings: 5000 |
| Contact Retention: 75 N |
| Contact Dia.: 3 mm (0.118in) |
| Bucket Dia.: 2.9 mm (0.114in) |
| Min. Conductor: 2.5 mm ² (AWG 14) |

Max. Conductor: 4 mm² (AWG 10)
 R (max): 3.1 mOhm
 Vtest (contact-shell): 1800 V (AC), 2550 V (DC)
 Vtest (contact-contact): 2300 V (AC), 3250 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
 Climatological 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. | 24 | 25 | 9 | 30.7 | 4.5 | 28.1 | 16.5 | 22 | M18x1.0 |
| in. | 0,94 | 0,98 | 0,35 | 1,21 | 0,18 | 1,11 | 0,65 | 0,87 | |




































RECOMMENDED BY LEMO
























Tools

Crimp Tool: DPC.91.102.V
 Crimp settings: AWG/Selector = 10-12-14/3-1-1

Positionner: DCE.91.303.BVCM
 Extractor: DCF.91.303.5LT
 Replacement contact: FGG.3B.580.ZZC

Cables

| | | | |
|--------------------|---------------|-------|---|
| CFN.3K.93C.092PNCA | PVC | Black |  |
| CFN.3K.93C.092PNCS | PVC | Black |  |
| CFN.3K.93C.160PNCA | PVC | Black |  |
| CFN.3K.93C.160PNCS | PVC | Black |  |
| CMN.02.T12.078PGCE | PVC | GREY |  |
| CMN.02.T12.078PGZE | | Grey |  |
| CMN.02.T12.078PNCE | PVC | Black |  |
| CMN.02.T12.078PNZE | | Black |  |
| CMN.02.T14.072PGCE | PVC | GREY |  |
| CMN.02.T14.072PGZE | | Grey |  |
| CMN.02.T14.072PNCE | PVC | Black |  |
| CMN.02.T14.072PNZE | | Black |  |
| CMN.02.T14.072QGZE | TPR (medical) | Grey |  |
| CMN.02.T14.078PGCE | PVC | GREY |  |
| CMN.02.T14.078PGZE | | Grey |  |
| CMN.02.T14.078PNCE | PVC | Black |  |
| CMN.02.T14.078PNZE | | |  |
| CMN.02.T18.064UNCU | | | |
| CMN.02.T20.047PGCE | PVC | GREY |  |
| CMN.02.T20.047PGZE | | Grey |  |
| CMN.02.T20.047PNCE | PVC | Black |  |
| CMN.02.T20.047PNZE | | |  |
| CMN.02.T20.048QGZE | TPR (medical) | Grey |  |
| CMN.02.T22.047PGCE | PVC | GREY |  |
| CMN.02.T22.047PGZE | | Grey |  |
| CMN.02.T22.047PNCE | PVC | Black |  |
| CMN.02.T22.047PNZE | | |  |
| CMN.02.T28.030PGCE | PVC | GREY |  |
| CMN.02.T28.030PGZE | | Grey |  |
| CMN.02.T28.030PNCE | PVC | Black |  |
| CMN.02.T28.030PNZE | | |  |
| 002 050 | PVC | Black |  |
| 002 080 | PVC | Grey | |
| 002 200 | PVC | Black |  |
| 002 221 | PVC | Black |  |
| 002 260 | PTFE | White |  |
| 002 280 | PVC | Black |  |

| | | | |
|-------------------|------|--------|---|
| 004 082 | PVC | Grey | |
| 020 140 | PVC | Grey |  |
| 020 140 | PVC | Grey |  |
| 020 141 | PVC | Grey |  |
| 020 142 | PVC | Red |  |
| 020 143 | PVC | Green |  |
| 020 144 | PVC | Black |  |
| 020 145 | PVC | Yellow |  |
| 020 146 | PVC | Black |  |
| 020 240 | PTFE | White |  |
| 020 260 | PVC | Black |  |
| 020 264 | PVC | Black |  |
| 020 266 | PVC | Violet |  |
| 020 550 | PUR | Black |  |
| 020 560 | PUR | White |  |
| 102 080 | PVC | Grey | |
| 120 184 | PVC | Black |  |
| 120 240 | PVC | Black |  |
| 120 250 | PVC | Grey |  |
| 120 500 | PVC | Grey |  |
| 120 501 | PVC | Grey |  |
| 120 751 | PVC | Grey |  |
| 220 151 | PVC | Grey |  |
| 220 750 | PVC | Grey |  |
| 320 150 | PVC | Grey |  |
| CCX.50.RG1.74U30B | TFE | White | |
| CMB.02.210.635 | PUR | Black | |