

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 2B                                 |
| 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   | <a href="#">FGG.2B.304.CYCD82Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EC*: Fixed receptacle with two nuts (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            | 16.32 g                                                                                                                       |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 2B.304 : 4 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 15 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 <sup>2</sup> (AWG 20)    |
| Max. Conductor: 1 mm <sup>2</sup> (AWG 18)      |
| R (max): 3.6 mOhm                               |
| Vtest (contact-shell): 2200 V (AC), 3110 V (DC) |

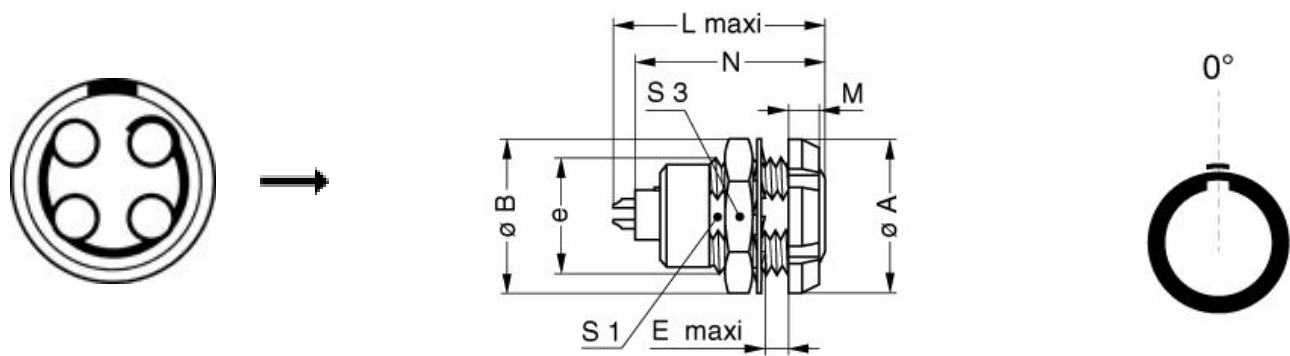
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Vtest (contact-contact): 2200 V (AC), 3110 V (DC)

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    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 20   | 19.2 | 6.5  | 26.7 | 3.5  | 24.6 | 13.5 | 17   | M15x1.0 |
| in. | 0,79 | 0,76 | 0,26 | 1,05 | 0,14 | 0,97 | 0,53 | 0,67 |         |

RECOMMENDED BY LEMO

Tools

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

Crimp settings: AWG/Selector = 18-20/8-7

Positionner: [DCE.91.132.BVM](#)

Extractor: [DCF.91.131.2LT](#)

Spanner 2: [DCH.91.201.PA](#)

Replacement contact: EGG.2B.665.ZZM

## Cables

|                    |               |       |                                                                                       |
|--------------------|---------------|-------|---------------------------------------------------------------------------------------|
| CMN.04.T20.053PGZE |               | Grey  |    |
| CMN.04.T20.053PNZE |               |       |    |
| CMN.04.T20.053QGZE | TPR (medical) | Grey  |    |
| CMN.04.T22.047QGC  | TPR           | Grey  |                                                                                       |
| CMN.04.T22.048QGZE | TPR (medical) | Grey  |    |
| CMN.04.T28.031PGCE | PVC           | GREY  |     |
| CMN.04.T28.031PGZE |               | Grey  |    |
| CMN.04.T28.031PNCE | PVC           | Black |     |
| CMN.04.T28.031PNZE |               |       |    |
| CMN.04.T28.031QGC  | TPR           | Grey  |                                                                                       |
| 140240             | PVC           | Black |  |
| 140250             | PVC           | Grey  |   |
| 240500             | PVC           | Grey  |   |
| 240750             | PVC           | Grey  |   |
| 40080              | PVC           | Black |                                                                                       |
| 40086              | PVC           | Blue  |                                                                                       |
| 40140              | PVC           | Black |  |
| 40240              | PTFE          | White |  |
| 40260              | PVC           | Black |  |
| 4041               | PVC           | Grey  |   |
| 4050               | PVC           | Black |   |
| 4080               | PVC           | Grey  |                                                                                       |
| 417920             | PVC           | Grey  |   |
| 4220               | PVC           | Black |  |
| 4221               | PVC           | Black |  |
| 4260               | PTFE          | White |  |
| 4280               | PVC           | Black |  |
| 80080              | PVC           | Grey  |                                                                                       |
| 80082              | PVC           | Red   |                                                                                       |
| 80084              | PVC           | Black |                                                                                       |

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|                    |     |      |                                                                                   |
|--------------------|-----|------|-----------------------------------------------------------------------------------|
| CTR.75.030.121870G | PVC | Grey |  |
|--------------------|-----|------|-----------------------------------------------------------------------------------|

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