

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1B                                |
| Termination type | Female crimp                      |
| IP rating        | 50                                |
| AWG wire size    | 24.00 - 20.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.1B.304.CYCD62</a> |

### Download

[Request a quote](#)

[Catalog](#)

## 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            | 11.49 g                                                                                                                       |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 1B.304 : 4 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 10 Amps                    |

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)

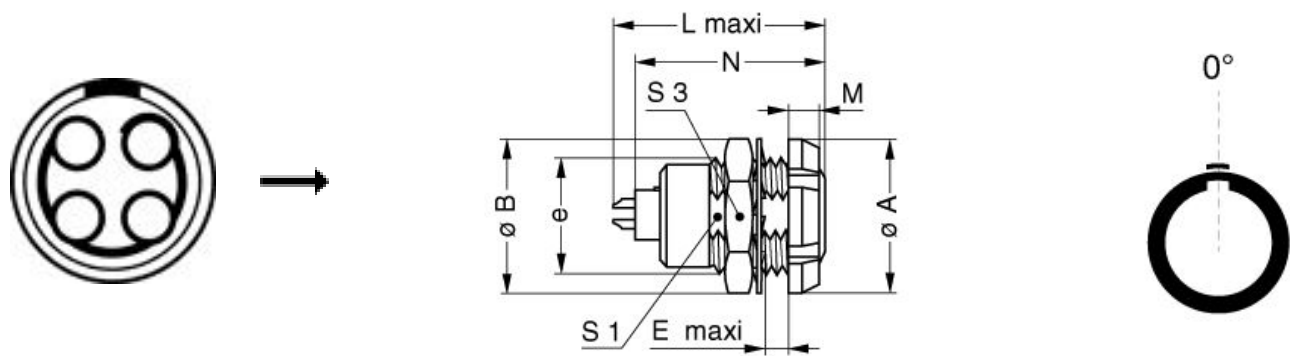
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Vtest (contact-contact): 1700 V (AC), 2400 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. | 16   | 15.8 | 6    | 23   | 3.5  | 21.1 | 10.5 | 14   | M12x1.0 |
| in. | 0,63 | 0,62 | 0,24 | 0,91 | 0,14 | 0,83 | 0,41 | 0,55 |         |

RECOMMENDED BY LEMO

Tools

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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](#)

Spanner 2: [DCH.91.161.PA](#)

Replacement contact: EGG.1B.660.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 |                                                                                       |

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*