

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1K                                |
| Termination type | Female solder                     |
| IP rating        | 68 mated (mating interface)       |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | Active                            |
| Matching parts   | <a href="#">FGG.1K.304.CLAC65</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing                                                                                          |
| Keying            | No keying                                                                                                                  |
| Housing Material  | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Weight            | 21.04 g                                                                                                                    |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1K.304 : 4 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps                   |

### Specifications

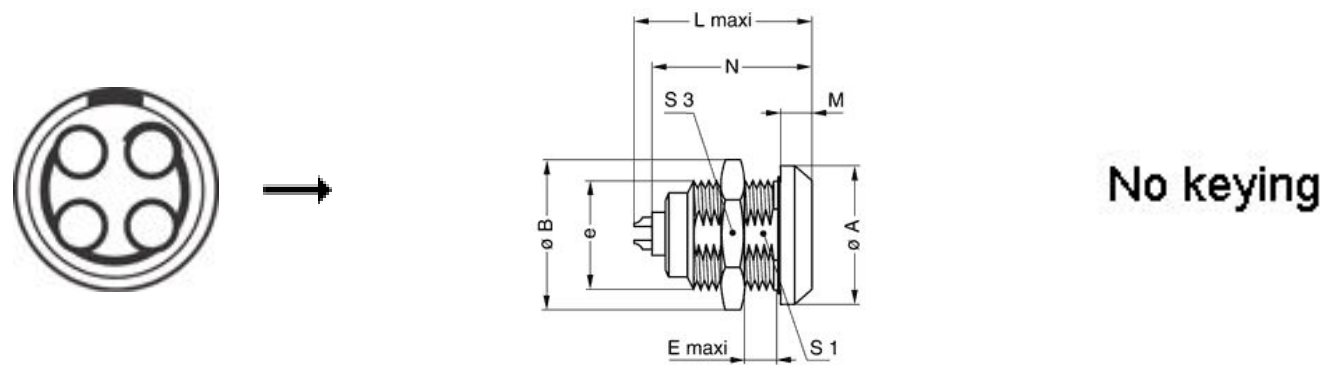
Contact Type: Solder  
 Contact Dia.: 0.9 mm (0.035in)  
 Bucket Dia.: 0.8 mm (0.031in)  
 Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 R (max): 4.8 mOhm  
 Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
 Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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Others

- Endurance (Shell): 5000 mating cycles
- Temp (min / max): -55°C / +200°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): 95 dB (10 MHz)
- Shielding (min): 80 dB (1 GHz)
- Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

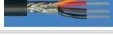
|     | A    | B    | E    | L    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 20   | 21.5 | 9    | 27   | 4.5  | 25.1 | 14.5 | 19   | M16x1.0 |
| in. | 0,79 | 0,85 | 0,35 | 1,06 | 0,18 | 0,99 | 0,57 | 0,75 |         |

RECOMMENDED BY LEMO

Tools

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## Cables

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

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