

## SUMMARY

### # Wires

Low voltage 18



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 3K                                |
| Termination type | Female solder                     |
| IP rating        | 68                                |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.3K.318.CLAC10</a> |

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## 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 [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Weight            | 69.24 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 3K.318 : 18 Low Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps                    |

### Specifications

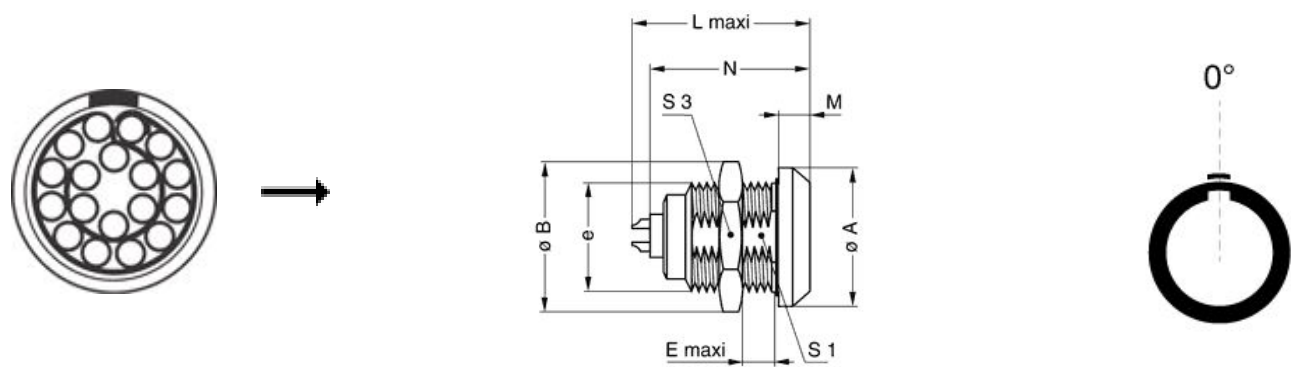
|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Contact Dia.:            | 0.9 mm (0.035in)              |
| Bucket Dia.:             | 0.8 mm (0.031in)              |
| 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):   | 1050 V (AC), 1490 V (DC)      |
| Vtest (contact-contact): | 1200 V (AC), 1700 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. | 31   | 34.5 | 11   | 36.2 | 6    | 33.6 | 22.5 | 30   | M24x1.0 |
| in. | 1,22 | 1,36 | 0,43 | 1,43 | 0,24 | 1,32 | 0,89 | 1,18 |         |

RECOMMENDED BY LEMO

Tools

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Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.18.T30.048QGZE | TPR (medical) | Grey  |  |
| 218220             | PVC           | Black |  |
| 218240             | PVC           | Black |  |
| 218260             | PVC           | Black |  |
| 236080             | PVC           | Grey  |   |
| 318250             | PVC           | Grey  |  |

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