

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 2K                                |
| Termination type | Female solder                     |
| IP rating        | 68 when mated                     |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.2K.308.CLAC50</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |  |
|-------------------|--|
| Shell Style/Model | HG*: Fixed receptacle, nut fixing, watertight or vacuum-tight  |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Housing Material  | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Variant           | PV : Watertight / Vacuum-tested unmated  |
| Weight            | 44.48 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2K.308 : 8 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

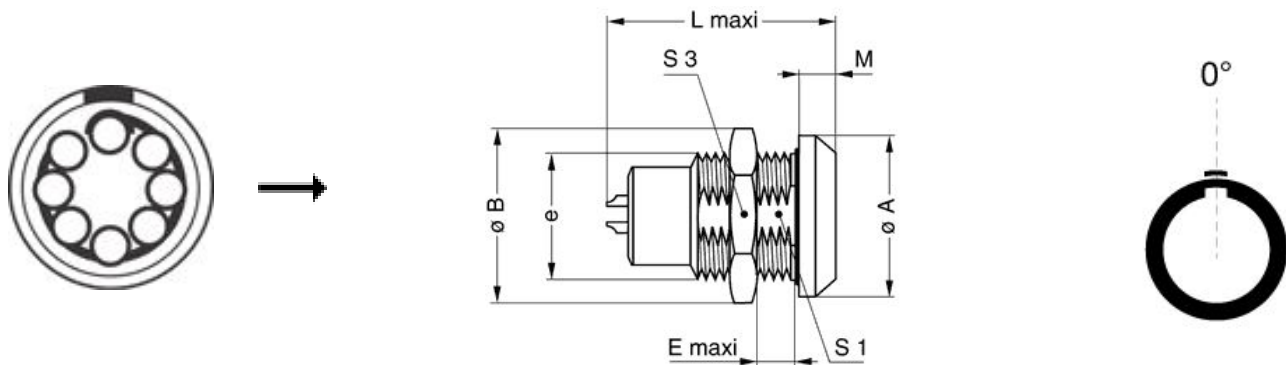
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)  
 Vtest (contact-contact): 1500 V (AC), 2150 V (DC)

## Others

Endurance (Shell): 5000 mating cycles  
 Temp (min / max): -20°C / +80°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: 20/80/21  
 Shielding (min): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 R leak (He) (max): 0.0000001 mbar\*l/s (if vacuum-tested)  
 Salt Spray Corrosion: >1000 hr  
 Pressure: 40 bars

## DRAWINGS



## Dimensions














|     | A    | B    | E    | L    | M    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 25   | 27.5 | 13   | 33.7 | 5    | 18.5 | 24   | M20x1.0 |
| in. | 0,98 | 1,08 | 0,51 | 1,33 | 0,20 | 0,73 | 0,94 |         |

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## Tools

## Cables

|                    |               |        |   |
|--------------------|---------------|--------|---|
| CMN.08.T22.059QGC  | TPR           | Grey   |   |
| CMN.08.T22.059QGZE | TPR (medical) | Grey   |    |
| CMN.08.T26.042QGZE | TPR (medical) | Grey   |    |
| 108220             | PVC           | Black  |    |
| 108240             | PTFE          | White  |    |
| 108260             | PTFE          | White  |    |
| 16080              | PVC           | Grey   |   |
| 180240             | PVC           | Black  |    |
| 180260             | PVC           | Black  |    |
| 280250             | PVC           | Grey   |    |
| 335990             | PVC           | Black  |    |
| 335991             | PVC           | Black  |    |
| 42265              | PVC           | Yellow |   |
| 80140              | PVC           | Grey   |  |
| 8050               | PVC           | Black  |  |
| 8280               | PVC           | Black  |  |

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