

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 1K |
| Termination type | Female solder |
| IP rating | 68 |
| AWG wire size | 28.00 - 20.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.1K.303.CLAC40 |

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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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Variant | P : Watertight |
| Weight | 21.33 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1K.303 : 3 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 12 Amps |

Specifications

Contact Type: Solder
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1 mm (0.039in)
Max. Solid Conductor: 0.5 mm² (AWG 20)
Max. Stranded Conductor: 0.5 mm² (AWG 20)
R (max): 3.6 mOhm

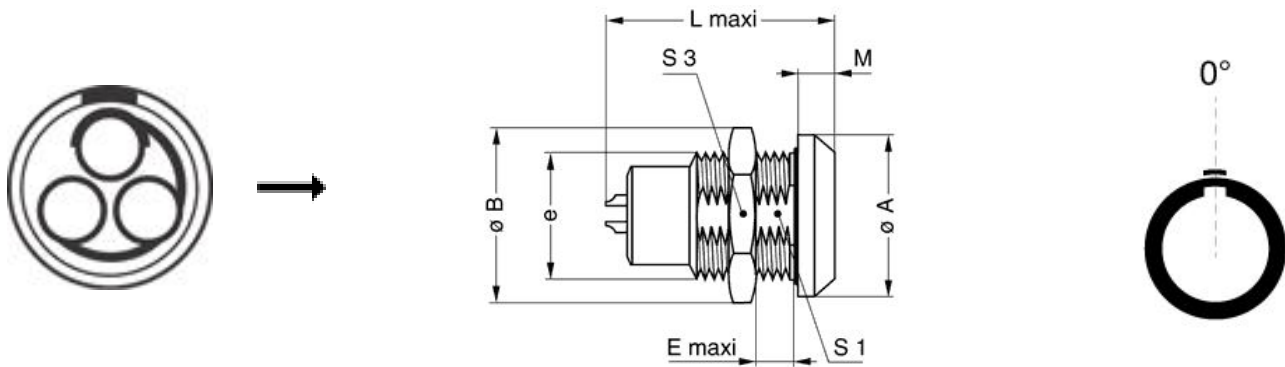
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Vtest (contact-shell): 1550 V (AC), 2200 V (DC)
 Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

Others

Endurance (Shell): 5000 mating cycles
 Temp (min / max): -20°C / +100°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)
 Salt Spray Corrosion: >1000 hr
 Pressure: 60 bars

DRAWINGS



Dimensions









| | A | B | E | L | M | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 20 | 21.5 | 9 | 30 | 4.5 | 14.5 | 19 | M16x1.0 |
| in. | 0,79 | 0,85 | 0,35 | 1,18 | 0,18 | 0,57 | 0,75 | |

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Tools

Cables

| | | | |
|--------------------|-----|-------|---|
| CMN.03.T20.049PGZE | | Grey |  |
| CMN.03.T20.049PNZE | | |  |
| CMN.03.T28.031PGCE | PVC | GREY |  |
| CMN.03.T28.031PGZE | | Grey |  |
| CMN.03.T28.031PNCE | PVC | Black |  |
| CMN.03.T28.031PNZE | | |  |
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 230500 | PVC | Grey |  |
| 230750 | PVC | Grey |  |
| 30110 | PVC | Grey |  |
| 30141 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3041 | PVC | Grey |  |
| 3050 | PVC | Black |  |
| 3081 | PVC | Black | |
| 3220 | PVC | Black |  |
| 3280 | PVC | Black |  |
| 60080 | PVC | Grey | |

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