

SUMMARY

Wires

Low voltage 6



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 2K |
| 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.2K.306.CLAC50 |

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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 |
| Variant | H : Viton O-Ring |
| Weight | 37.16 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 2K.306 : 6 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

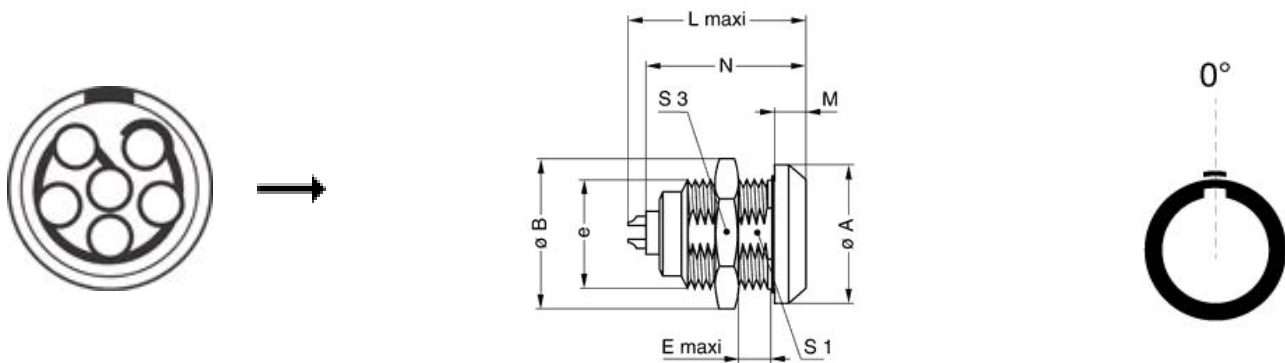
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Vtest (contact-shell): 1450 V (AC), 2050 V (DC)
 Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

Others

Endurance (Shell): 5000 mating cycles
 Temp (min / max): -20°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








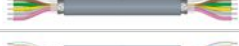
| | A | B | E | L | M | N | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 25 | 27.5 | 9 | 30.7 | 5 | 28.6 | 18.5 | 24 | M20x1.0 |
| in. | 0,98 | 1,08 | 0,35 | 1,21 | 0,20 | 1,13 | 0,73 | 0,94 | |

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Tools

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Cables

| | | | |
|--------------------|---------------|-------|---------------------------------------------------------------------------------------|
| CMN.06.T20.062PGZE | | Grey |  |
| CMN.06.T20.062PNZE | | |  |
| CMN.06.T20.062QGZE | TPR (medical) | Grey |  |
| CMN.06.T26.037QGZE | TPR (medical) | Grey |  |
| CMN.06.T28.031PGCE | PVC | GREY |  |
| CMN.06.T28.031PGZE | | Grey |  |
| CMN.06.T28.031PNCE | PVC | Black |  |
| CMN.06.T28.031PNZE | | |  |
| CMN.06.T28.042QBCE | TPR (medical) | | |
| CMN.06.T28.044PGZE | | Grey |  |
| CMN.06.T28.044PNZE | | |  |
| 106220 | PVC | Black |  |
| 106240 | PTFE | White |  |
| 12080 | PVC | Grey | |
| 160140 | PVC | Grey |  |
| 160240 | PVC | Black |  |
| 160260 | PVC | Black |  |
| 260250 | PVC | Grey |  |
| 360500 | PVC | Grey |  |
| 360750 | PVC | Grey |  |
| 60260 | PTFE | White |  |
| 6280 | PVC | Black |  |

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