

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 2K |
| Termination type | Male crimp |
| IP rating | 68 |
| AWG wire size | 20.00 - 18.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGL.2K.304.CYMC80 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing |
| Keying | 2 keys (gamma=75, plug: female contacts, receptacle: male 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 | 34.94 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 2K.304 : 4 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 15 Amps |

Specifications

Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm² (AWG 20)
Max. Conductor: 1 mm² (AWG 18)
R (max): 3.6 mOhm
Vtest (contact-shell): 2200 V (AC), 3110 V (DC)

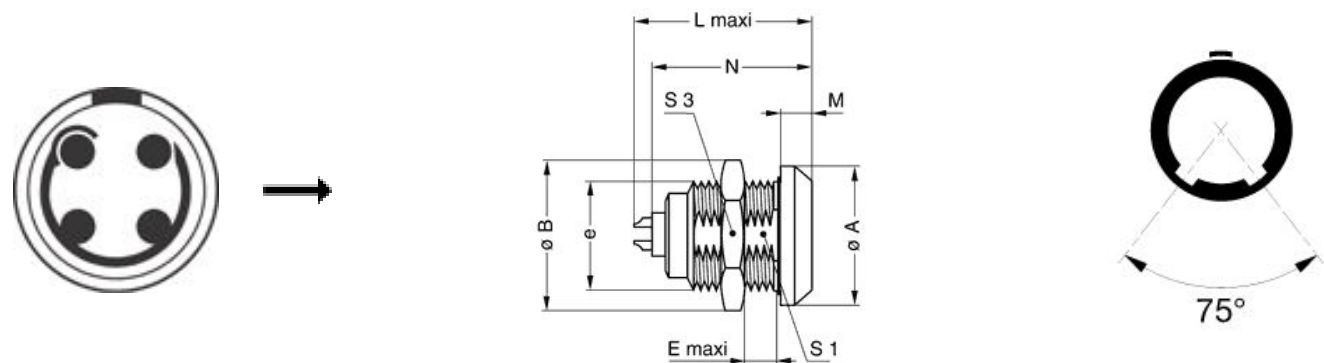
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Vtest (contact-contact): 2200 V (AC), 3110 V (DC)

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. | 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 | |

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)
























Crimp settings: AWG/Selector = 18-20/8-7

Positionner: [DCE.91.132.BVC](#)

Extractor: [DCF.91.131.2LT](#)

Replacement contact: FGG.2B.565.ZZC

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.04.T20.053PGZE | | Grey |  |
| CMN.04.T20.053PNZE | | |  |
| CMN.04.T20.053QGZE | TPR (medical) | Grey |  |
| 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 |  |
| 240500 | PVC | Grey |  |
| 240750 | 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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[EGL.2K.304.CYC](#)