

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | 1K |
| Termination type | Female crimp |
| IP rating | 68 |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.1K.304.CYCB50Z |

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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 | 20.64 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 1K.304 : 4 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 10 Amps |

Specifications

Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)
R (max): 4.8 mOhm
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)

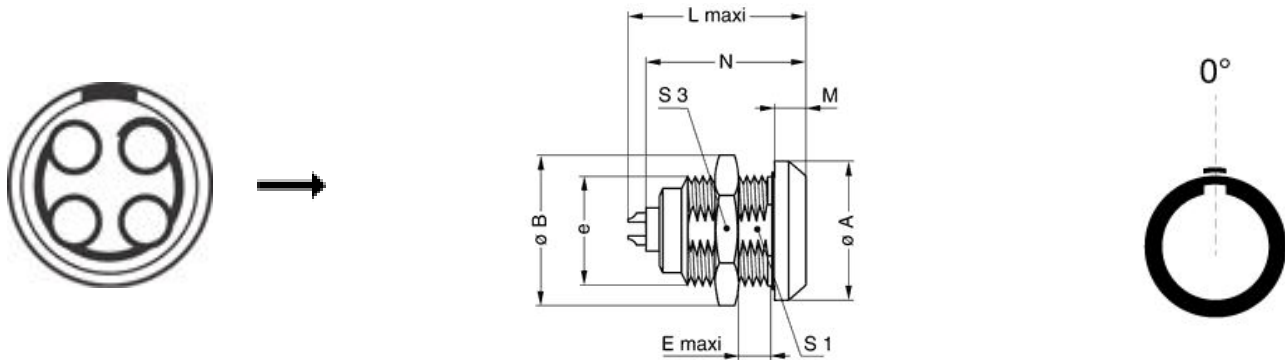
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Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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. | 20 | 21.5 | 9 | 27 | 4.5 | 25.1 | 14.5 | 19 | M16x1.0 |
| in. | 0,79 | 0,85 | 0,35 | 1,06 | 0,18 | 0,99 | 0,57 | 0,75 | |






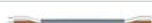

















RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)
 Crimp settings: AWG/Selector = 20-22-24/6-5-5
 Positionner: [DCE.91.091.BVM](#)
 Extractor: [DCF.91.090.2LT](#)
 Replacement contact: EGG.1B.660.ZZM

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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[FGJ.1B.304.CLLD76](#) [FGJ.1B.306.CWLD72](#) [FGJ.3B.304.CYMD10Z](#) [FGJ.3B.304.CYMD82Z](#) [FHG.1B.303.CYCZ](#) [PCS.01.250.DLLE24](#)
[PHG.0K.305.CYMC40Z](#) [PHG.1K.308.CLLK85](#) [PKG.M0.6BL.LZ](#) [PLC.M1.0SL.LA](#) [GMA.10.290.DN](#) [GMA.3B.090.DA](#)
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