

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 3K                                |
| Termination type | Female crimp                      |
| IP rating        | 68                                |
| AWG wire size    | 16.00 - 12.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.3K.303.CYCC11</a> |

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[Catalog](#)

## 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            | 68.12 g                                                                                                                       |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 3K.303 : 3 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 25 Amps                    |

### Specifications

Contact Type: Crimp  
Contact Retention: 65 N  
Contact Dia.: 2 mm (0.079in)  
Bucket Dia.: 2.4 mm (0.094in)  
Min. Conductor: 1.5 mm<sup>2</sup> (AWG 16)  
Max. Conductor: 2.5 mm<sup>2</sup> (AWG 12)  
R (max): 3.3 mOhm  
Vtest (contact-shell): 2650 V (AC), 3750 V (DC)

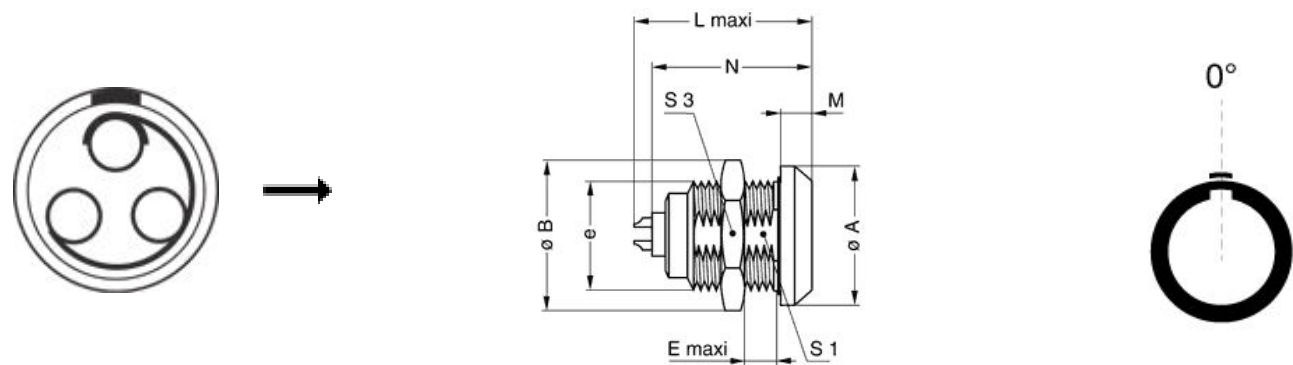
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Vtest (contact-contact): 3200 V (AC), 4530 V (DC)

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. | 31   | 34.5 | 11   | 36.2 | 6    | 33.6 | 22.5 | 30   | M24x1.0 |
| in. | 1,22 | 1,36 | 0,43 | 1,43 | 0,24 | 1,32 | 0,89 | 1,18 |         |

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Tools

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Crimp Tool: [DPC.91.101.A](#)

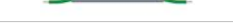
Crimp settings: AWG/Selector = 12-14-16/8-7-6

Positionner: [DCE.91.203.BVCM](#)

Extractor: [DCC.91.202.5LA](#)

Replacement contact: EGG.3B.675.ZZM

### Cables

|                    |               |       |                                                                                       |
|--------------------|---------------|-------|---------------------------------------------------------------------------------------|
| CMN.03.T14.078PGCE |               |       |    |
| CMN.03.T18.055PGZE |               | Grey  |    |
| CMN.03.T18.055PNZE |               |       |    |
| CMN.03.T18.055QGZE | TPR (medical) | Grey  |    |
| 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 |  |
| 330150             | PVC           | Grey  |  |
| 60080              | PVC           | Grey  |                                                                                       |

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