

## SUMMARY

### # Wires

|             |   |
|-------------|---|
| Low voltage | 2 |
|-------------|---|



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 0F                             |
| Termination type | Female crimp                   |
| IP rating        | 67                             |
| AWG wire size    | 24.00 - 20.00                  |
| Cable Ø          | 3.80 - 9.00 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">FGN.0F.302.XLC</a> |

### Download

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | EH*: Fixed receptacle, nut fixing (back panel mounting, printed circuit mounting possible)              |
| Keying            | 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)                           |
| Housing Material  | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Weight            | 4.18 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 0F.302 : 2 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| 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 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

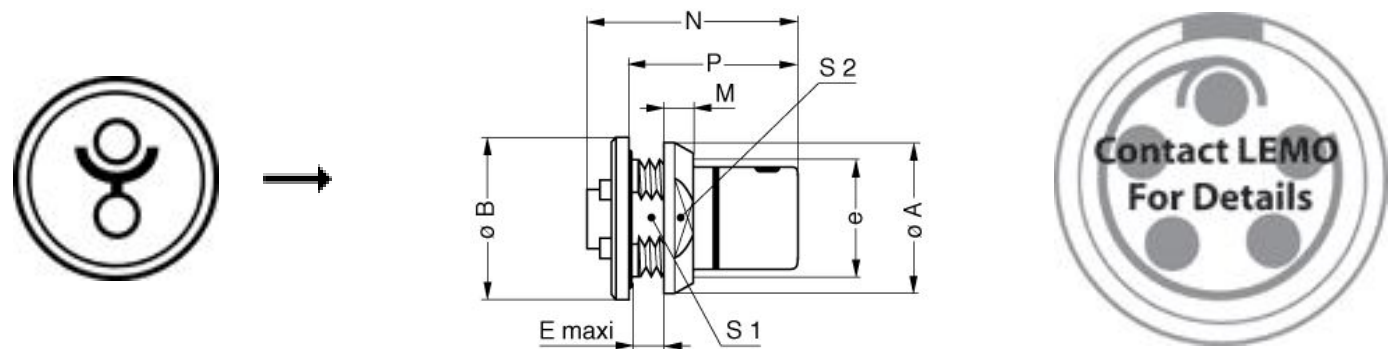
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Vtest (contact-contact): 1450 V (AC), 2100 V (DC)

Others

- Endurance (Shell): 1000 mating cycles
- Temp (min / max): -15°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: 15/200/21 (Aluminium shell)
- Salt Spray Corrosion: max. 48 hr

DRAWINGS



Dimensions

|     | A    | B    | E    | M    | N    | P    | S1   | S2   | e        |
|-----|------|------|------|------|------|------|------|------|----------|
| mm. | 13   | 14   | 3    | 2.5  | 19   | 14.5 | 9    | 11   | M10x0.75 |
| in. | 0,51 | 0,55 | 0,12 | 0,10 | 0,75 | 0,57 | 0,35 | 0,43 |          |

RECOMMENDED BY LEMO











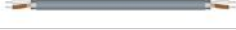


















Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner: [DCE.91.090.BVM](#)  
 Extractor: [DCF.93.090.4LT](#)  
 Replacement contact: EGG.0B.660.ZZM

## Cables

|                    |               |        |   |
|--------------------|---------------|--------|---|
| CMN.02.T20.047PGZE |               | Grey   |    |
| CMN.02.T20.047PNZE |               |        |    |
| CMN.02.T20.048QGZE | TPR (medical) | Grey   |    |
| CMN.02.T28.030PGCE | PVC           | GREY   |     |
| CMN.02.T28.030PGZE |               | Grey   |    |
| CMN.02.T28.030PNCE | PVC           | Black  |     |
| CMN.02.T28.030PNZE |               |        |    |
| 102080             | PVC           | Grey   |   |
| 120184             | PVC           | Black  |     |
| 120240             | PVC           | Black  |    |
| 120250             | PVC           | Grey   |    |
| 120500             | PVC           | Grey   |   |
| 120501             | PVC           | Grey   |   |
| 120751             | PVC           | Grey   |   |
| 20140              | PVC           | Grey   |   |
| 20140              | PVC           | Grey   |   |
| 20141              | PVC           | Grey   |  |
| 20142              | PVC           | Red    |   |
| 20143              | PVC           | Green  |   |
| 20144              | PVC           | Black  |   |
| 20145              | PVC           | Yellow |   |
| 20146              | PVC           | Black  |   |
| 20240              | PTFE          | White  |  |
| 20260              | PVC           | Black  |  |
| 20264              | PVC           | Black  |   |
| 20266              | PVC           | Violet |   |
| 2050               | PVC           | Black  |   |
| 20550              | PUR           | Black  |  |
| 20560              | PUR           | White  |  |
| 2080               | PVC           | Grey   |   |
| 220750             | PVC           | Grey   |   |

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|                |      |       |   |
|----------------|------|-------|---|
| 2221           | PVC  | Black |   |
| 2260           | PTFE | White |  |
| 2280           | PVC  | Black |  |
| 4082           | PVC  | Grey  |   |
| CMB.02.210.635 | PUR  | Black |   |

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