

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 1F |
| Termination type | Female crimp |
| IP rating | 67 |
| AWG wire size | 26.00 - 22.00 |
| Cable Ø | 3.80 - 10.70 mm |
| Status | active |
| Matching parts | FGN.1F.307.XLC |

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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 | 6.56 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1F.307 : 7 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps |

Specifications

| |
|---|
| Contact Type: Crimp |
| Contact Retention: 22 N |
| Contact Dia.: 0.7 mm (0.028in) |
| Bucket Dia.: 0.8 mm (0.031in) |
| Min. Conductor: 0.14 mm ² (AWG 26) |
| Max. Conductor: 0.34 mm ² (AWG 22) |
| R (max): 6.1 mOhm |
| Vtest (contact-shell): 1450 V (AC), 2050 V (DC) |

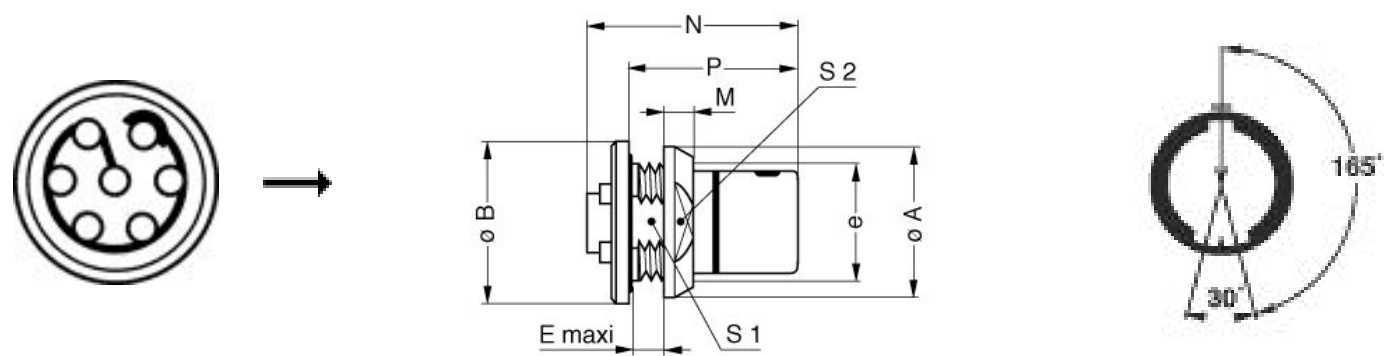
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Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

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. | 17 | 17 | 3 | 3.2 | 19 | 14.5 | 11.5 | 14 | M13x0.75 |
| in. | 0,67 | 0,67 | 0,12 | 0,13 | 0,75 | 0,57 | 0,45 | 0,55 | |

RECOMMENDED BY LEMO

Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 22-24-26/6-5-5










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Positionner: [DCE.91.070.BVM](#)

Extractor: [DCF.93.070.4LT](#)

Replacement contact: EGG.0B.655.ZZM

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.07.T26.037QGZE | TPR (medical) | Grey |  |
| CMN.07.T28.044PGZE | | Grey |  |
| CMN.07.T28.044PNZE | | |  |
| 270250 | PVC | Grey |  |
| 70140 | PVC | Grey |  |
| 7041 | PVC | Grey |  |
| 7050 | PVC | Black |  |
| 717920 | PVC | Grey |  |
| CTR.75.030.121875G | PVC | Grey |  |

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