

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 8 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 1F |
| Termination type | Female crimp |
| IP rating | 50 |
| AWG wire size | 26.00 - 22.00 |
| Cable Ø | 3.80 - 10.70 mm |
| Status | active |
| Matching parts | FGP.1F.308.XLC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing |
| Keying | 3 keys (beta=150, gamma=60, 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 | 5.53 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1F.308 : 8 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 5 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): | 1300 V (AC), 1840 V (DC) |

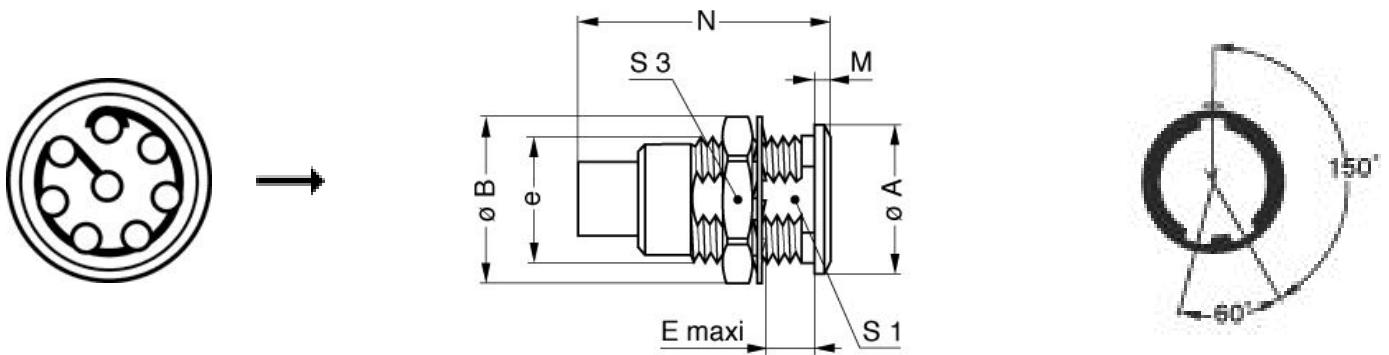
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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 | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 14 | 16 | 7 | 1.5 | 19 | 10.5 | 14 | M12x1.0 |
| in. | 0,55 | 0,63 | 0,28 | 0,06 | 0,75 | 0,41 | 0,55 | |

RECOMMENDED BY LEMO

Tools

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

Crimp settings: AWG/Selector = 22-24-26/6-5-5

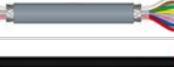
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Positionner: [DCE.91.070.BVM](#)

Extractor: [DCF.93.070.4LT](#)

Replacement contact: EGG.0B.655.ZZM

Cables

| | | | |
|--------------------|---------------|--------|---|
| CMN.08.T22.059QGC | TPR | Grey |  |
| CMN.08.T22.059QGZE | TPR (medical) | Grey |  |
| CMN.08.T26.042QGZE | TPR (medical) | Grey |  |
| 108220 | PVC | Black |  |
| 108240 | PTFE | White |  |
| 108260 | PTFE | White |  |
| 16080 | PVC | Grey | |
| 180240 | PVC | Black |  |
| 180260 | PVC | Black |  |
| 280250 | PVC | Grey |  |
| 335990 | PVC | Black |  |
| 335991 | PVC | Black |  |
| 42265 | PVC | Yellow | |
| 80140 | PVC | Grey |  |
| 8050 | PVC | Black |  |
| 8280 | PVC | Black |  |

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