

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 5 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|-----------------|
| Series | 1F |
| Termination type | Female crimp |
| IP rating | 67 |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 3.80 - 10.70 mm |
| Status | active |

Download

[Request a quote](#)

[Catalog](#)

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug |
| Keying | 3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts) |
| Housing Material | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Weight | 8.49 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1F.305 : 5 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 9 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 ² (AWG 24) |
| Max. Conductor: | 0.5 mm ² (AWG 20) |
| R (max): | 4.8 mOhm |
| Vtest (contact-shell): | 1550 V (AC), 2200 V (DC) |

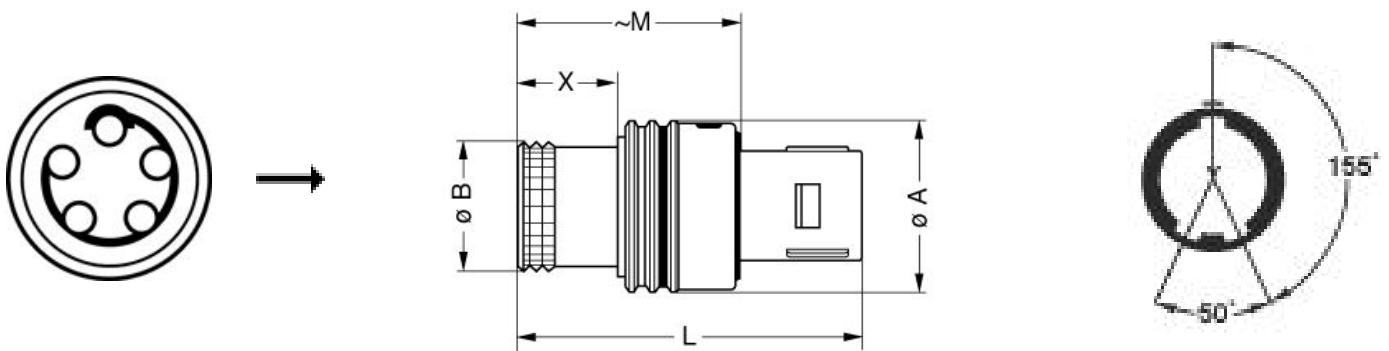
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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 | L | M | X |
|-----|------|------|------|------|------|
| mm. | 14 | 10.7 | 27.8 | 17.9 | 8 |
| in. | 0,55 | 0,42 | 1,09 | 0,70 | 0,31 |

RECOMMENDED BY LEMO

Tools

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

Crimp settings: AWG/Selector = 20-22-24/6-5-5

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Positionner: [DCE.91.090.BVM](#)

Extractor: [DCF.93.090.4LT](#)

Replacement contact: EGG.0B.660.ZZM

Cables

| | | | |
|--------------------|---------------|-------|--|
| CMN.05.T20.057PGZE | | Grey | |
| CMN.05.T20.057PNZE | | | |
| CMN.05.T20.057QGZE | TPR (medical) | Grey | |
| CMN.05.T22.051QGZE | TPR (medical) | Grey | |
| 150250 | PVC | Grey | |
| 250500 | PVC | Grey | |
| 50090 | PVC | Black | |
| 50140 | PVC | Grey | |

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.