

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | 0T |
| Termination type | Male crimp |
| IP rating | 68 |
| AWG wire size | 32.00 - 28.00 |
| Cable Ø | 4.60 - 5.00 mm |
| Status | active |
| Alternative part | FGG.0T.307.CYCK50Z |
| Matching parts | EEG.0T.307.CLL |

Download

[Request a quote](#)

[Eplan](#)

[Catalog](#)

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief |
| 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 |
| Variant | Z : Nut for fitting a bend relief |
| Weight | 9.39 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | T.307 : 7 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 2.5 Amps |

Specifications

Contact Type: Crimp
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)

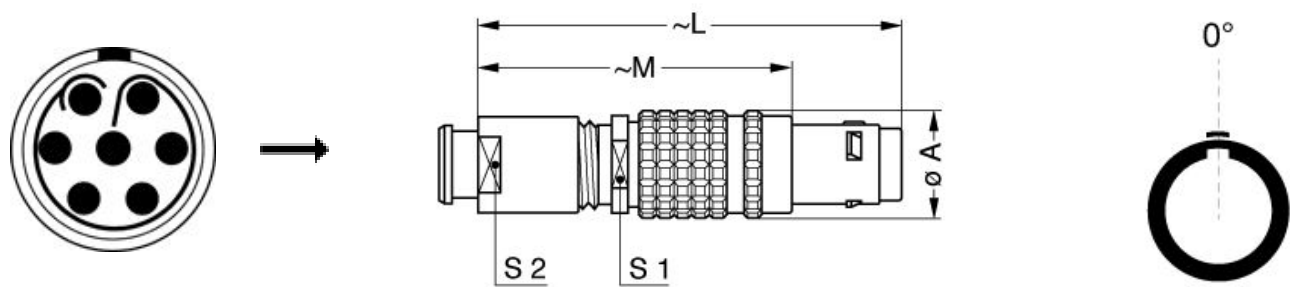
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO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

R (max): 8.7 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)
Vtest (contact-contact): 1400 V (AC), 1980 V (DC)

Others

Endurance (Shell): >3000 mating cycles
Temp (min / max): -55°C / +200°C
Humidity (max): <=95% [at 60 deg C / 140 F]
Resistance to vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Climatical Category: 50/175/21
Shielding efficiency (min): 75 dB (at 10 MHz)
Shielding efficiency (min): 40 dB (at 1 GHz)
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

| | A | L | M | S1 | S2 |
|-----|------|------|------|------|------|
| mm. | 9.5 | 38 | 28 | 7.5 | 7 |
| in. | 0,37 | 1,50 | 1,10 | 0,30 | 0,28 |

RECOMMENDED BY LEMO

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.

Tools

| | |
|----------------------|--------------------------------|
| Crimp Tool: | DPC.91.701.V |
| Crimp settings: | AWG/Selector = 28-30-32/4-3-3 |
| Positionner: | DCE.91.050.BVC |
| Extractor: | DCF.91.050.2LT |
| Replacement contact: | FGG.0B.554.ZZC |

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.