

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1T                                |
| Termination type | Female print 90° PCB              |
| IP rating        | 68                                |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.1T.307.CLAC45</a> |

### Download

[Request a quote](#)  
[PCB Eagle Pattern](#)  
[PCB Altium Pattern](#)  
[PCB KiCad Pattern](#)  
[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EE*: Fixed receptacle, nut fixing, with elbow contacts for printed circuit (back panel mounting)                              |
| 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 |
| Weight            | 7.40 g                                                                                                                        |

### Performance

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

### Specifications

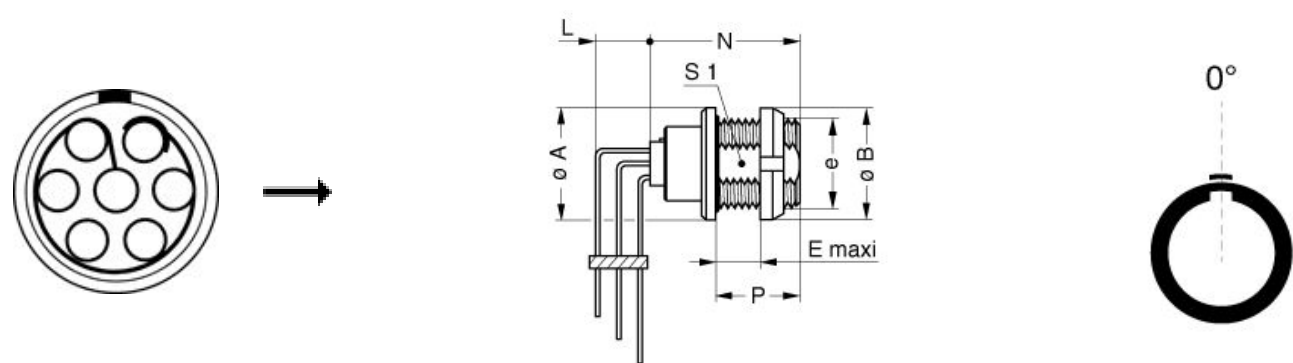
Contact Type: Print (elbow)  
 Contact Dia.: 0.7 mm (0.028in)  
 R (max): 6.1 mOhm  
 Vtest (contact-shell): 1050 V (AC), 1490 V (DC)  
 Vtest (contact-contact): 950 V (AC), 1340 V (DC)

### Others

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.

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    | B    | E    | Lmax  | N    | P    | S1   | e       |
|-----|------|------|------|-------|------|------|------|---------|
| mm. | 15.5 | 16   | 6.5  | 31.36 | 18.7 | 10   | 10.5 | M12x1.0 |
| in. | 0,61 | 0,63 | 0,26 | 1,23  | 0,74 | 0,39 | 0,41 |         |

## RECOMMENDED BY LEMO

### Tools

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.

*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.*