

## SUMMARY

### # Wires

|         |   |
|---------|---|
| Low     | 5 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |



Image is for illustrative purpose only

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|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1T                                |
| Termination type | Female solder                     |
| IP rating        | 68                                |
| Cable Ø          | 1.30 - 8.50 mm                    |
| Status           | active                            |
| Alternative part |                                   |
| Matching parts   | <a href="#">FGG.1T.305.CLAC50</a> |

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | HG*: Fixed socket, nut fixing, watertight or vacuumtight                                    |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                           |
| Housing Material  | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Variant           | PV : Watertight / Vacuum-tested   |
| Weight            | 6.30 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | T.305 : 5 Low Voltage     |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 9 Amps                    |

### Specifications

|                       |                               |
|-----------------------|-------------------------------|
| Contact Type:         | Solder                        |
| Contact Dia.:         | 0.9 mm (0.035in)              |
| Bucket Dia.:          | 0.8 mm (0.031in)              |
| Max. Solid Conductor: | 0.34 mm <sup>2</sup> (AWG 22) |

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Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 R (max): 4.8 mOhm  
 Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
 Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

## Others

Endurance (Shell): >3000 mating cycles  
 Temp (min / max): -20°C / +80°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)  
 R leak (He) (max): 0.0000001 mbar\*l/s (if vacuum-tested)  
 Salt Spray Corrosion: >1000 hr  
 IP Rating: 68

## DRAWINGS

### Draws



### Dimensions

|     | A    | B    | E    | L    | M    | N    | S1   | S2   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 15.5 | 16   | 6    | 26   | 1.8  | 21.5 | 10.5 | 14   | M12x1.0 |
| in. | 0.61 | 0.63 | 0.24 | 1.02 | 0.07 | 0.85 | 0.41 | 0.55 |         |












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# RECOMMENDED BY LEMO

## Tools

None

## Cables

|                    |               |       |  |
|--------------------|---------------|-------|--|
| CMN.05.T22.051PGCE | PVC           | GREY  |    |
| CMN.05.T22.051PNCE | PVC           | Black |    |
| CMN.05.T22.051QGZE | TPR (medical) | Grey  |   |
| CMN.05.T28.029PGCE | PVC           | GREY  |    |
| CMN.05.T22.051PGZE |               | Grey  |   |
| CMN.05.T22.051PNZE |               |       |   |
| CMN.05.T28.029PGZE |               | Grey  |   |
| CMN.05.T28.029PNCE | PVC           | Black |    |
| CMN.05.T28.029PNZE |               |       |   |
| 005 050            | PVC           | Black |    |
| 050 090            | PVC           | Black |  |
| 050 140            | PVC           | Grey  |   |
| 150 250            | PVC           | Grey  |  |

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