

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

Series	1T
Termination type	Female crimp
IP rating	68
AWG wire size	26.00 - 22.00
Cable Ø	6.60 - 7.00 mm
Status	active
Matching parts	<a href="#">FGG.1T.307.CYCK70</a>

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PH*: Free receptacle, cable collet
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	40.62 g

### Performance

Configuration	T.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	7 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 <sup>2</sup> (AWG 26)
Max. Conductor:	0.34 mm <sup>2</sup> (AWG 22)
R (max):	6.1 mOhm
Vtest (contact-shell):	1450 V (AC), 2050 V (DC)

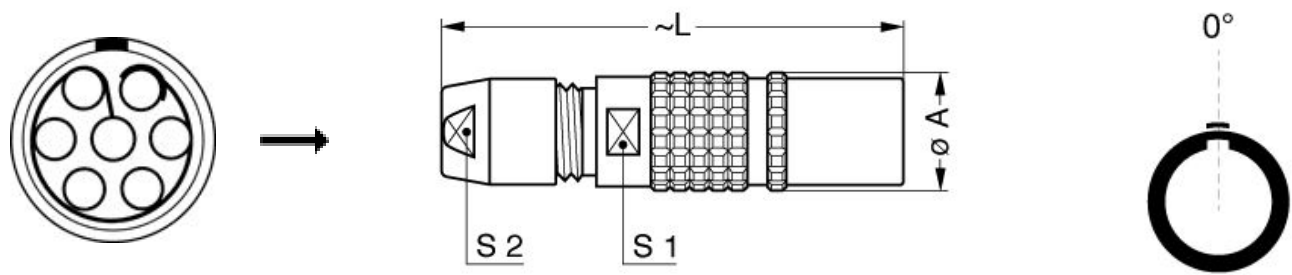
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Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

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
mm.	12	43.5
in.	0,47	1,71

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	<a href="#"><u>DPC.91.701.V</u></a>
Positionner:	<a href="#"><u>DCE.91.071.BVM</u></a>
Extractor:	<a href="#"><u>DCF.91.070.2LT</u></a>

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