

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

Series	1T
Termination type	Female crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	6.10 - 6.50 mm
Status	active
Matching parts	<a href="#">EGL.1T.304.CYC</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, cable collet
Keying	2 keys (gamma=80; plug: female contacts, receptacle: male 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	15.46 g

### Performance

Configuration	T.304 : 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	10 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<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)

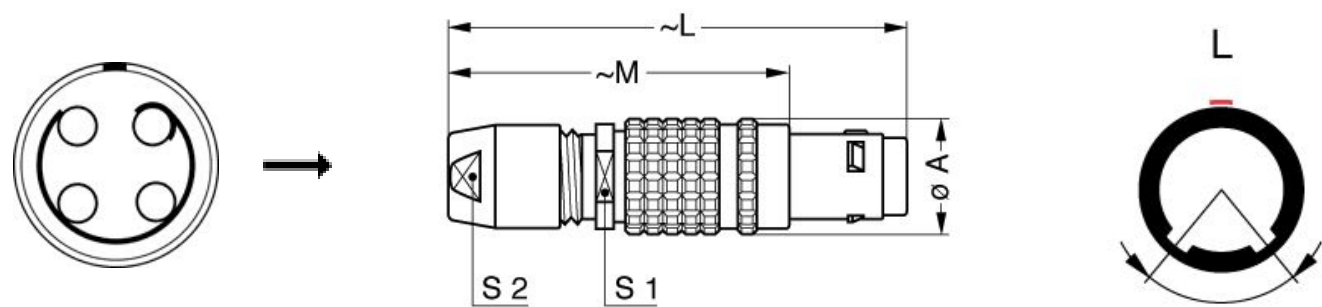
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Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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.	12	46	35	11	9
in.	0,47	1,81	1,38	0,43	0,35

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)  
Positionner: [DCE.91.091.BVM](#)  
Extractor: [DCF.91.090.2LT](#)

Cables

240500	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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