

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series	1T
Termination type	Male crimp
IP rating	68
AWG wire size	26.00 - 22.00
Cable Ø	8.10 - 8.50 mm
Status	active
Matching parts	EGG.1T.307.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with oversize 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	33.48 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 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)

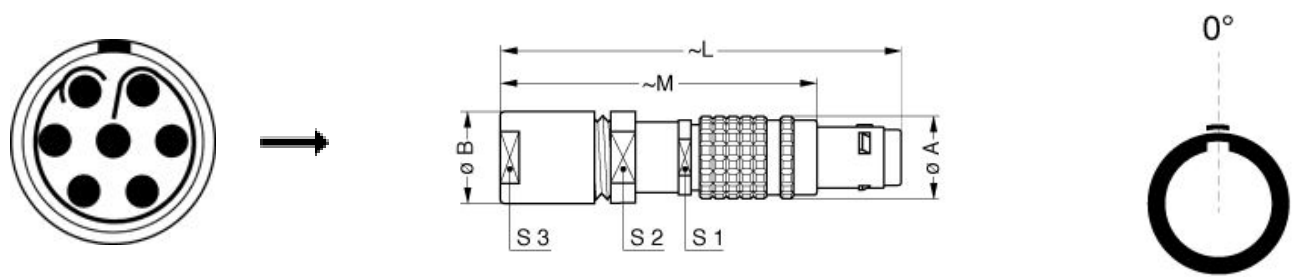
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Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

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	B	L	M	S1	S2	S3
mm.	12	14.5	59.7	48.7	11	12	12
in.	0,47	0,57	2,35	1,92	0,43	0,47	0,47

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	<u>DPC.91.701.V</u>
Positionner:	<u>DCE.91.071.BVC</u>
Extractor:	<u>DCF.91.070.2LT</u>

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