

## SUMMARY

### # Wires

Low voltage 7



Image is for illustrative purpose only

Series	0T
Termination type	Male crimp
IP rating	68
AWG wire size	32.00 - 28.00
Cable Ø	4.60 - 5.00 mm
Status	active
Alternative part	<a href="#">FGG.0T.307.CYCK50Z</a>
Matching parts	<a href="#">EEG.0T.307.CLL</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief
Weight	9.39 g

### Performance

Configuration	T.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	2.5 Amps

### Specifications

Contact Type: Crimp
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm <sup>2</sup> (AWG 32)
Max. Conductor: 0.09 mm <sup>2</sup> (AWG 28)

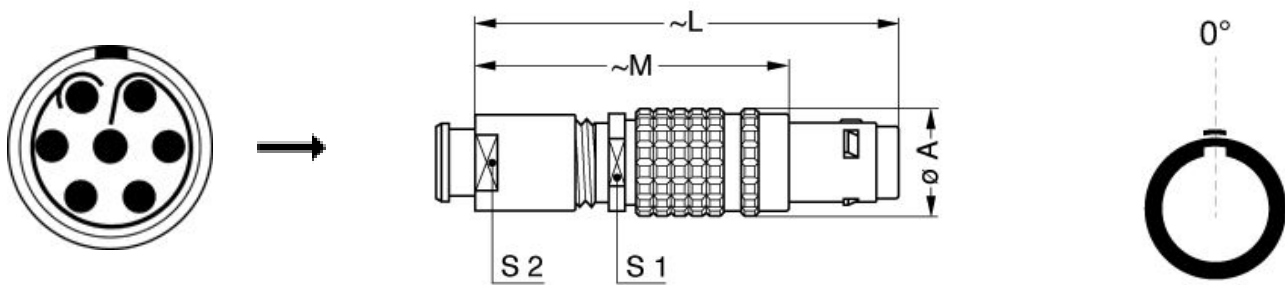
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R (max): 8.7 mOhm  
 Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
 Vtest (contact-contact): 1400 V (AC), 1980 V (DC)

## 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.	9.5	38	28	7.5	7
in.	0,37	1,50	1,10	0,30	0,28

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	<a href="#">DCE.91.050.BVC</a>
Extractor:	<a href="#">DCF.91.050.2LT</a>
Replacement contact:	FGG.0B.554.ZZC

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