



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	9
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Size	0T
Suggested matching part	<a href="#">EGA.0T.309.BLLN</a>
Series	T - Small Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fga-0t-309-blac5nz.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fga-0t-309-blac5nz.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	9
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	T.309 - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1.6 kV (DC)
Max. Solid Conductor	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor	0.09 mm <sup>2</sup> (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight Plug, cable collet and nut for fitting a bend relief with black POM outer shell
Plug	Straight
Housing material	POM (Polyoxymethylene, black) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)

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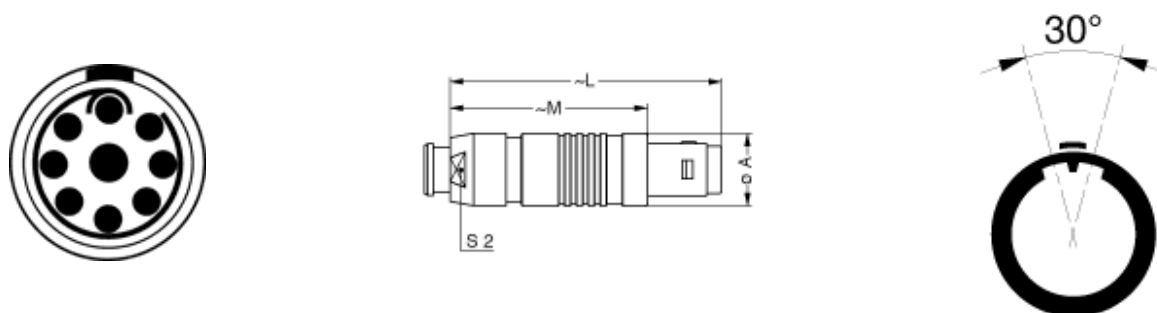
## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	>3000 mating cycles
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Resistance to vibration	15 g [10 Hz - 2000 Hz]
Shock Resistance	100 g [ 6 ms]

## Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet

## Drawings



## Dimensions

	A	L	M	S2
mm.	9.7	38.5	28.5	8
in.	0.38	1.52	1.12	0.31

## Recommended By Lemo

### Accessories

Compatible cap	<a href="#">BFG.0T.100.CAS</a>
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### Tools

Spanner	<a href="#">DCP.0T.110.TN</a>
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