

**Standard***Image for illustrative purpose only*

## Summary

[Request a quote](#)[BKT series](#)[Customer Drawing](#)

Number of contacts Low Voltage	8
Protocol	1000 Base-T4 (1Gb/s)
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.10 - 4.50 mm
Size	1T

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-clac45z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-clac45z.html)

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Suggested matching part

**EGG.1T.308.CLL**  
**PHG.1T.308.CLLC45Z**

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Series

T - Small Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-clac45z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-clac45z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1T.308 - 8 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1 kV (DC)
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Protocol	1000 Base-T4 (1Gb/s)
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
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
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	17.57 g

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## Environment

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Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	>3000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic 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]
Salt Spray Corrosion	>1000 hr

## Cable fixation

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Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.10 - 4.50 mm

## Recommended By Lemo

### Accessories

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Compatible cap	<a href="#">BFG.1T.100.CAS</a>
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### Tools

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

### Documents

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Eplan	<a href="#">Download</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.08.T26.042QGZE	TPR (medical)	Grey	

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