

Standard



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## Summary

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Number of contacts Low Voltage	8
Protocol	1000 Base-T4 (1Gb/s)
Wire Size/AWG	26 - 22
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.10 - 6.50 mm
Size	1T
Series	T - Small Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgj-1t-308-cymc65z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgj-1t-308-cymc65z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	1T.308 - 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	5 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	1.9 kV (DC)
Contact retention	22 N
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Protocol	1000 Base-T4 (1Gb/s)
Wire Size/AWG	26 - 22
Gender	Reverse Gender

## 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	J: 2 keys (alpha=45, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	15.47 g

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## Environment

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

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.10 - 6.50 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">EGG.1B.655.ZZM</a>
Compatible cap	<a href="#">BFG.1T.100.CAS</a>





## Tools

Spanner	<a href="#">DCP.0T.110.TN</a>
Positionner	<a href="#">DCE.91.071.BVM</a>
Extraction tool	<a href="#">DCC.07.04B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
180240	PVC	Black	
280250	PVC	Grey	
335990	PVC	Black	
335991	PVC	Black	

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