



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	2T
Suggested matching part	<a href="#">EGG.2T.306.CYP</a>
Series	T - Small Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-2t-306-cybc50.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-2t-306-cybc50.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	2T.306 - 6 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	12 A
Vtest (contact-contact)	2.9 kV (DC)
Vtest (contact-shell)	3.3 kV (DC)
Contact retention	40 N
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	24 - 20
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
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

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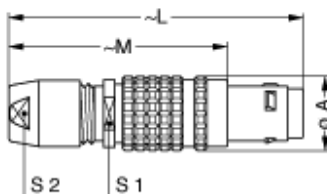
## Environment

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.)
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]
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.60 - 5.00 mm

## Drawings



## Dimensions

	A	L	M	S1	S2
mm.	15	55	43	14	12
in.	0.59	2.17	1.69	0.55	0.47


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# Recommended By Lemo

Accessories	
Replacement contact	<a href="#">FGG.2B.566.ZZC</a>
Compatible cap	<a href="#">BFG.2T.100.CAS</a>
Tools	
Spanner	<a href="#">DCP.2T.110.TN</a>
Positionner	<a href="#">DCE.91.132.BVC</a>
Extraction tool	<a href="#">DCC.13.15B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

## Cables

Cable PartNumber	Material	Colour	Cable image
160140	PVC	Grey	
6280	PVC	Black	