



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.60 - 12.00 mm
Size	3T
Suggested matching part	<a href="#">EGG.3T.312.CYP</a>
Series	T - Small Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-3t-312-cybk11z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-3t-312-cybk11z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3T.312 - 12 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	9 A
Vtest (contact-contact)	2.3 kV (DC)
Vtest (contact-shell)	2.6 kV (DC)
Contact retention	30 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.	0.9 mm (0.035in)
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug with oversize 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

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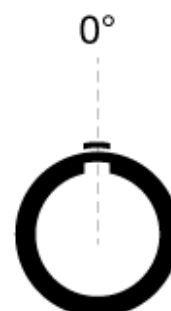
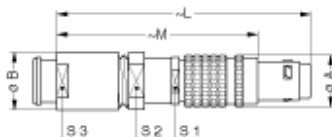
## Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	10.60 - 12.00 mm

## Drawings



## Dimensions

	A	B	L	M	S1	S2	S3
mm.	18.8	23	83.7	68.7	16	20	20
in.	0.74	0.91	3.3	2.7	0.63	0.79	0.79

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# Recommended By Lemo

Accessories	
Replacement contact	<a href="#">FGG.3B.561.ZZC</a>
Compatible cap	<a href="#">BFG.3T.100.CAS</a>
Tools	
Spanner	<a href="#">DCP.2T.110.TN</a>
Positionner	<a href="#">DCE.91.093.BVC</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>