

Standard



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Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.10 - 5.50 mm
Size	1T
Suggested matching part	EGG.1T.306.CLL PHG.1T.306.CLLC55Z

https://www.lemo.com/int_en/solutions/originals/t-small-outdoor-keyed/fgg-1t-306-clac55z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	1T.306 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Test voltage contact-contact	1.5 kV DC
Test voltage contact-shell	1.7 kV DC
Max. Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
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	16.91 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]
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.10 - 5.50 mm

Recommended By Lemo

Caps

Compatible cap	BFG.1T.100.CAS
Soft Cap	BFZ.1T.100.SCN

Bend Reliefs

GMA.1B.054.DG	GMA.1B.054.DA	GMA.1B.054.DB
GMA.1B.054.DJ	GMA.1B.054.DM	GMA.1B.054.DN
GMA.1B.054.DR	GMA.1B.054.DS	GMA.1B.054.DV

Tools

Spanner	DCP.0T.110.TN
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Cables

Cable PartNumber	Material	Colour	Cable image
160260	PVC	Black	