

Special



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Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	7
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.60 - 7.00 mm
Size	1T
Suggested matching part	EGG.1T.307.CYM
Series	T - Small Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-307-cyck70z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	T.307 - 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	2 kV (DC)
Contact retention	22 N
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
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
Weight	41.62 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]	6.60 - 7.00 mm

Recommended By Lemo

Accessories

Replacement contact	FGG.1B.555.ZZC
Compatible cap	BFG.1T.100.CAS

Tools

Spanner	DCP.0T.110.TN
Positionner	DCE.91.071.BVC
Extraction tool	DCC.07.04B.LAG
Crimp tool	DPC.91.701.V

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