

Special



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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	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.10 - 6.50 mm
Size	1T
Suggested matching part	EGG.1T.308.KYM

https://www.lemo.com/int_en/solutions/originals/t-small-outdoor-keyed/fgg-1t-308-kycc65.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	1T.308 - 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	5 A
Test voltage contact-contact	2 kV DC
Test voltage contact-shell	1.9 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 (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Protocol	1000 Base-T4 (1Gb/s)
Wire Size/AWG	26 - 22
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
Housing material	Brass (black chrome) 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	Black
Weight	18.9 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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.10 - 6.50 mm

Recommended By Lemo

Contacts

Replacement contact	FGG.1B.555.ZZC
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Caps

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

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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Cables

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

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