

Special



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Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	36 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.60 - 4.00 mm
Size	0T
Series	T - Small Outdoor keyed

Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	8.7 mOhm
Insert configuration value	0T.312 - 12 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.7 A
Test voltage contact-contact	1.1 kV DC
Test voltage contact-shell	1.5 kV DC
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.05 mm ² (AWG 30)
Bucket Dia.	0.4 mm (0.016 in)
Contact Dia.	0.35 mm (0.014 in)
Wire Size/AWG	36 - 28
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 (black chrome) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Black
Variant	Nut for fitting a bend relief
Weight	12.74 g

https://www.lemo.com/int_en/solutions/originals/t-small-outdoor-keyed/fga-0t-312-klac40z.html

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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]	3.60 - 4.00 mm

Recommended By Lemo

Caps

Compatible cap	BFG.0T.100.KAS
Soft Cap	BFZ.0T.100.SCN

Bend Reliefs

GMA.0B.035.DG	GMA.0B.035.DA	GMA.0B.035.DB
GMA.0B.035.DJ	GMA.0B.035.DM	GMA.0B.035.DN
GMA.0B.035.DR	GMA.0B.035.DS	GMA.0B.035.DV

Tools

Spanner	DCP.0T.110.TN
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