

Standard

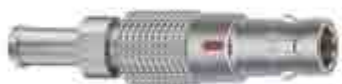


Image for illustrative purpose only

Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	32 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.80 - 3.50 mm
Size	00
Suggested matching part	EGG.00.302.CYM
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-00-302-cycd30z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Crimp
R (max)	8.7 mOhm
Insert configuration value	0.302 - 2 Low Voltage
Rated current	4 A
Vtest (contact-contact)	1.7 kV (DC)
Vtest (contact-shell)	1.7 kV (DC)
Max. Conductor	0.035 mm ² (AWG 32)
Min. Conductor	0.09 mm ² (AWG 28)
Bucket Dia.	0.45 mm (0.02in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	32 - 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 (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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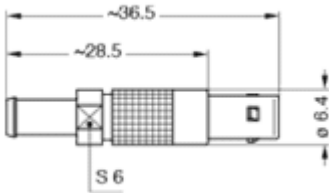
Environment

Environmental sealing (IP rating)	IP50
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
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]	2.80 - 3.50 mm

Drawings



Dimensions

	A	S2	L	M	S1
mm.	6.4	6	28.5	20.7	5.5
in.	0.25	0.24	1.12	0.81	0.22

Recommended By Lemo

Accessories

Replacement contact	FGG.00.554.ZZC
Compatible cap	BFG.00.100.PCSG

Tools

Positionner	DCE.91.050.0VC
Extraction tool	DCC.05.02B.LAG
Crimp tool	DPC.91.701.V

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		grey	
CMN.02.T28.030PNCE	PVC	Black	
CMN.02.T28.030PNZE			
2080	PVC	Grey	