FGG.3K.305.CYCC80

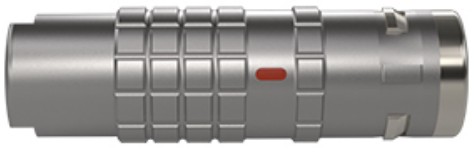


Image for illustrative purpose only

Summary

Request a quote

Catalog

Number of contacts Low Voltage	5
Wire Size/AWG	18 - 14
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.60 - 8.00 mm
Size	3K
Suggested matching part	EGG.3K.305.CYM
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-305-cycc80.html
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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.5 mOhm
Insert configuration value	3K.305 - 5 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	19 A
Vtest (contact-contact)	2400 V (AC), 3390 V (DC)
Vtest (contact-shell)	1750 V (AC), 2500 V (DC)
Contact retention	50 N
Contact Type	Crimp
Max. Conductor	1.5 mm^2 (AWG 14)
Min. Conductor	1 mm^2 (AWG 18)
Bucket Dia.	1.9 mm (0.075in)
Contact Dia.	1.6 mm (0.063in)
Number of contacts Low Voltage	5
Wire Size/AWG	18 - 14
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	67.54 g

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Environment	
Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.60 - 8.00 mm

Recommended By Lemo

Accessories	
Replacement contact	FGG.3B.570.ZZC
Compatible cap	BFG.3K.100.NAS

Tools	
Positionner	DCE.91.163.BVCM
Extraction tool	DCC.16.25B.LAG
Crimp tool	DPC.91.101.A
Spanner wrench	DCD.3E.ZZZ.PA150

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