

*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	16 - 12
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.60 - 10.50 mm
Size	5K
Suggested matching part	<a href="#">EGG.5K.316.SYM</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-5k-316-sycc10.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-5k-316-sycc10.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Crimp
R (max)	3.3 mOhm
Insert configuration value	5K.316 - 16 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	12 A
Vtest (contact-contact)	3.5 kV (DC)
Vtest (contact-shell)	4.4 kV (DC)
Contact retention	65 N
Max. Conductor	2.5 mm <sup>2</sup> (AWG 12)
Min. Conductor	1.5 mm <sup>2</sup> (AWG 16)
Bucket Dia.	2.4 mm (0.094in)
Contact Dia.	2 mm (0.079in)
Wire Size/AWG	16 - 12
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
Housing material	Stainless steel 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	418.74 g

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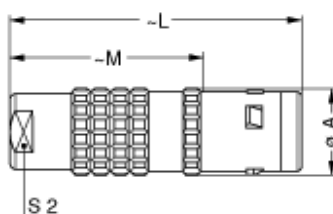
## Environment

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 (max. temperature valid for short periods of use.)
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]

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	9.60 - 10.50 mm

## Drawings



## Dimensions

	A	L	S2	M
mm.	38	92	30	67
in.	1.5	3.62	1.18	2.64

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# Recommended By Lemo

Accessories	
Replacement contact	<a href="#">FGG.5B.575.ZZC</a>
Compatible cap	<a href="#">BFG.5K.100.NAS</a>
Tools	
Positionner	<a href="#">DCE.91.205.BVCM</a>
Extraction tool	<a href="#">DCC.20.25B.LAG</a>
Crimp tool	<a href="#">DPC.91.101.A</a>