

Special



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Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Wire Size/AWG	14 - 10
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	15.60 - 16.50 mm
Size	4K
Suggested matching part	EGG.4K.304.CYM PHG.4K.304.CYMK16
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-4k-304-cyck16.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	3.1 mOhm
Insert configuration value	4K.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	30 A
Test voltage contact-contact	2.6 kV DC
Test voltage contact-shell	1.7 kV DC
Contact retention	75 N
Max. Conductor	4 mm ² (AWG 10)
Min. Conductor	2.5 mm ² (AWG 14)
Bucket Dia.	2.9 mm (0.114in)
Contact Dia.	3 mm (0.118in)
Wire Size/AWG	14 - 10
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug with oversize 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	196.04 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.)
Climatic 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]	15.60 - 16.50 mm

Recommended By Lemo

Contacts

Replacement contact	FGG.4B.580.ZZC
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Caps

Compatible cap	BFG.4K.100.NAS
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Tools

Positionner	DCE.91.304.BVCM
Extraction tool	DCC.30.35B.LAG
Crimp tool	DPC.91.102.V
Spanner wrench	DCD.4E.ZZZ.PA190

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