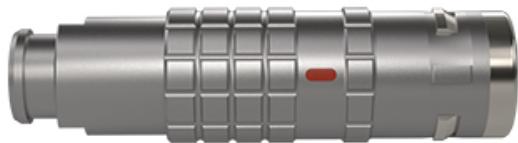


Standard

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[BKT series](#)

Number of contacts Low Voltage	5
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.10 - 4.50 mm
Size	1K
Suggested matching part	<a href="#">EGG.1K.305.CYM</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	1K.305 - 5 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	Y: PEEK for crimp contacts
Rated current	9 A
Vtest (contact-contact)	1.9 kV (DC)
Vtest (contact-shell)	2.2 kV (DC)
Contact retention	30 N
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	24 - 20
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, 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
Variant	Nut for fitting a bend relief

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html)

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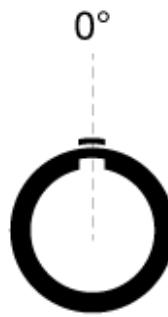
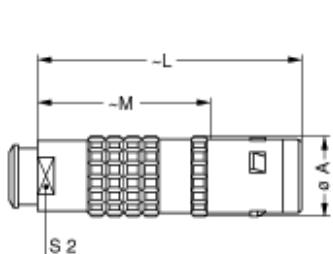
## Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.10 - 4.50 mm

## Drawings



## Dimensions

M	A	S2	L
mm.	28	13	9
in.	1.1	0.51	0.35

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html)

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# Recommended By Lemo

## Accessories

Replacement contact	FGG.1B.560.ZZC
Compatible cap	BFG.1K.100.NAS

## Tools

Positionner	DCE.91.091.BVC
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.1E.ZZZ.PA090

# Cables

Cable PartNumber	Material	Colour	Cable image
50090	PVC	Black	

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-305-cycc45z.html)

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