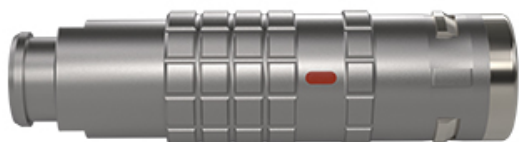


Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	3
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	1K
Suggested matching part	<a href="#">EGG.1K.303.CLL</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	1K.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A
Vtest (contact-contact)	1.9 kV (DC)
Vtest (contact-shell)	2.2 kV (DC)
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.5 mm <sup>2</sup> (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	28 - 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
Weight	23.41 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html)

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## Environment

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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

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Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.60 - 5.00 mm

# Recommended By Lemo

## Accessories

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Compatible cap	<a href="#">BFG.1K.100.NAS</a>
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## CAD

## Documents

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Eplan	<a href="#">Download</a>
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[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T20.049PGZE		grey	
CMN.03.T20.049PNZE			
130240	PVC	Black	
3220	PVC	Black	
60080	PVC	Grey	

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-303-clac50z.html)

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