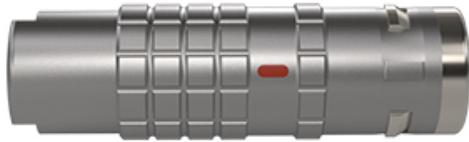


Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

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[BKT series](#)

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[Customer Drawing](#)

Number of contacts Low Voltage	3
Wire Size/AWG	24 - 16
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	2K
Suggested matching part	<a href="#">EGG.2K.303.CLL</a> <a href="#">PHG.2K.303.CLLC50Z</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-clac50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-clac50.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	2K.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	17 A
Vtest (contact-contact)	3.5 kV (DC)
Vtest (contact-shell)	2.6 kV (DC)
Max. Solid Conductor	1 mm <sup>2</sup> (AWG 16)
Max. Stranded Conductor	1 mm <sup>2</sup> (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	24 - 16
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	41.11 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-clac50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-clac50.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	Standard back nut (no additional protection)
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.2K.100.NAS</a>
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## CAD

### Documents

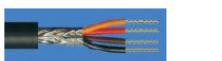
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Eplan	<a href="#">Download</a>
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[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-clac50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-clac50.html)

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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-2k-303-clac50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-clac50.html)

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