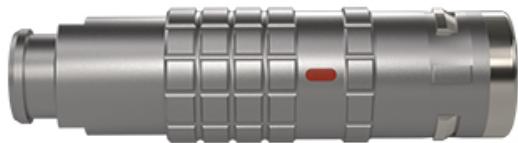


Standard

*Image for illustrative purpose only*

## Summary

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

Number of contacts Low Voltage	4
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	0K
Suggested matching part	<a href="#">EGG.0K.304.CLL</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-304-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-304-clac50z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	0K.304 - 4 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1.2 kV (DC)
Vtest (contact-shell)	1 kV (DC)
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	30 - 22
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	11.94 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-304-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-304-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.0K.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-0k-304-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-304-clac50z.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T22.047QGC	TPR	Grey	
CMN.04.T22.048QGZE	TPR (medical)	Grey	
140240	PVC	Black	
140250	PVC	Grey	
40260	PVC	Black	
4221	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-304-clac50z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-304-clac50z.html)

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