

Standard



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

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[Customer Drawing](#)

Number of contacts Low Voltage	20
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.60 - 6.00 mm
Size	3K
Suggested matching part	<a href="#">EGA.3K.320.CLL</a> <a href="#">PHA.3K.320.CLLC60</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fga-3k-320-clac60.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fga-3k-320-clac60.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	20
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	3K.320 - 20 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Vtest (contact-contact)	1.4 kV (DC)
Vtest (contact-shell)	1.3 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)
Wire Size/AWG	30 - 22
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	2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	68.72 g

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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]	5.60 - 6.00 mm

## CAD

### Documents

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Eplan

[Download](#)

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fga-3k-320-clac60.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fga-3k-320-clac60.html)

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