

Special



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	10
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.60 - 10.00 mm
Size	3K
Suggested matching part	<a href="#">PHG.3K.310.KLLC10Z</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-klac10z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-klac10z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	3K.310 - 10 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A
Vtest (contact-contact)	1.8 kV (DC)
Vtest (contact-shell)	1.3 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 (black chrome) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Black
Variant	Nut for fitting a bend relief
Weight	65.99 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-klac10z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-klac10z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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]	9.60 - 10.00 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.3K.100.KAS</a>
----------------	--------------------------------

# CAD

## Documents

Eplan	<a href="#">Download</a>
-------	--------------------------

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-klac10z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-klac10z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.