

Special

*Image for illustrative purpose only*

## Summary

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

Number of contacts Low Voltage	12
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.10 - 10.50 mm
Size	3K
Suggested matching part	<a href="#">EGG.3K.312.CYM</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fhg-3k-312-cycc11z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fhg-3k-312-cycc11z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3K.312 - 12 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	Y: PEEK for crimp contacts
Rated current	9 A
Vtest (contact-contact)	1650 V (AC), 2350 V (DC)
Vtest (contact-shell)	1850 V (AC), 2600 V (DC)
Contact retention	30 N
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	24 - 20
Gender	Standard

## Form & Material

Shell style / Model id	FH - Elbow plug, cable collet and nut for fitting a bend relief
Plug	Elbow
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	101.6 g

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## 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]	10.10 - 10.50 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.3B.560.ZZC</a>
Compatible cap	<a href="#">BFG.3K.100.NAS</a>

## Tools

Positionner	<a href="#">DCE.91.093.BVC</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.3E.ZZZ.PA150</a>

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