

Special



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	7
Wire Size/AWG	16 - 12
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.60 - 12.00 mm
Size	4K
Suggested matching part	<a href="#">FGG.4K.307.CYCC11Z</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/phg-4k-307-cymc11z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-4k-307-cymc11z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Crimp
R (max)	3.3 mOhm
Insert configuration value	4K.307 - 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	16 A
Vtest (contact-contact)	2.1 kV (DC)
Vtest (contact-shell)	2 kV (DC)
Contact retention	65 N
Max. Conductor	2.5 mm <sup>2</sup> (AWG 12)
Min. Conductor	1.5 mm <sup>2</sup> (AWG 16)
Bucket Dia.	2.4 mm (0.094in)
Contact Dia.	2 mm (0.079in)
Wire Size/AWG	16 - 12
Gender	Standard

## Form & Material

Shell style / Model id	PH - Free receptacle, cable collet and nut for fitting a bend relief
Socket / Receptacle	Free
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	163.79 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]	10.60 - 12.00 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">EGG.4B.675.ZZM</a>
Compatible cap	<a href="#">BRF.4K.200.NAS</a>

## Tools

Positionner	<a href="#">DCE.91.204.BVCM</a>
Extraction tool	<a href="#">DCC.20.25B.LAG</a>
Crimp tool	<a href="#">DPC.91.101.A</a>
Spanner wrench	<a href="#">DCD.4E.ZZZ.PA190</a>

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