

Special

*Image for illustrative purpose only*

## Summary

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

Number of contacts Low Voltage	6
Wire Size/AWG	22 - 18
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.70 mm
Size	3B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-3b-306-cYPD72Z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-3b-306-cYPD72Z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Crimp
R (max)	3.5 mOhm
Insert configuration value	3B.306 - 6 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	Y: PEEK for crimp contacts
Rated current	11 A
Vtest (contact-contact)	2.7 kV (DC)
Vtest (contact-shell)	2.6 kV (DC)
Contact retention	50 N
Max. Conductor	1 mm <sup>2</sup> (AWG 18)
Min. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	22 - 18
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 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	Grey
Variant	Nut for fitting a bend relief
Weight	60.46 g

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## Environment

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Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 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]	6.30 - 7.70 mm

## Recommended By Lemo

### Accessories

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Replacement contact	EGG.3B.671.ZZM
Compatible cap	BRF.3S.200.NAS

### Tools

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Spanner	DCP.91.023.TN
Positionner	DCE.91.163.BVCM
Extraction tool	DCC.16.25B.LAG
Crimp tool	DPC.91.101.A
Spanner wrench	DCD.3B.ZZZ.PA150

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T18.070PGZE		grey	
CMN.06.T18.070PNZE			
360500	PVC	Grey	

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