

Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

---

[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Size	1B
Suggested matching part	<a href="#">FGG.1B.305.CLAD62</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-1b-305-clld62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-305-clld62.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	5
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1B.305 - 5 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	9 A
Vtest (contact-contact)	1.8 kV (DC)
Vtest (contact-shell)	1.7 kV (DC)
Max. Solid 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.	0.9 mm (0.035in)
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	PH - Free receptacle, cable collet
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
Weight	19.55 g

## Environment

---

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

---

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 6.20 mm

## Recommended By Lemo

### Accessories

---

Compatible cap	<a href="#">BRF.1S.200.NAS</a>
----------------	--------------------------------

### Tools

---

Spanner	<a href="#">DCP.91.001.TN</a>
Spanner wrench	<a href="#">DCD.1B.ZZZ.PA090</a>

## CAD

### Documents

---

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

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-1b-305-clld62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-305-clld62.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.

# Cables

Cable PartNumber	Material	Colour	Cable image
150250	PVC	Grey	

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-1b-305-clld62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-305-clld62.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.