

[Standard](#)

Image for illustrative purpose only

Summary

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

Number of contacts Low Voltage	8
Protocol	1000 Base-T4 (1Gb/s)
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	1B
Suggested matching part	FGG.1B.308.CLAD52Z

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-308-clld52z.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	8
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1B.308 - 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Test voltage contact-contact	1.1 kV DC
Test voltage contact-shell	1 kV DC
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of differentiated pairs (High speed)	4
Protocol	1000 Base-T4 (1Gb/s)
Wire Size/AWG	30 - 22
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	20.57 g

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-308-clld52z.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, 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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

Recommended By Lemo

Caps

Compatible cap	BRF.1S.200.NAS
Plastic Cap	BRD.1B.200.PCSG
Soft Cap	BPZ.1B.200.SCN

Bend Reliefs

GMA.1B.045.DG	GMA.1B.045.DA	GMA.1B.045.DB
GMA.1B.045.DJ	GMA.1B.045.DM	GMA.1B.045.DN
GMA.1B.045.DR	GMA.1B.045.DS	GMA.1B.045.DV

Tools

Spanner	DCP.91.001.TN
Spanner wrench	DCD.1B.ZZZ.PA090

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-308-clld52z.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
108240	PTFE	White	
108260	PTFE	White	
8280	PVC	Black	

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-308-clld52z.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.