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Summary

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Nb of contacts Thermocouple	2
Number of contacts Low Voltage	1
Wire Size/AWG	28 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.30 - 4.20 mm
Size	0B
Suggested matching part	FGG.0B.303.CYKD42
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-0b-303-cykd42.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Crimp
Insert configuration value	0B.303/ThC - Thermocouple 1 Pair, 1 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	8 A
Thermocouple (P+/N-)	Pin 1 / Pin 2
Vtest (contact-shell)	700 V (AC), 990 V (DC)
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	0.9
Number of contacts Low Voltage	1
Wire Size/AWG	28 - 20
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	10.84 g

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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
Climatical Category	50/175/21
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

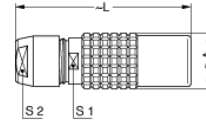
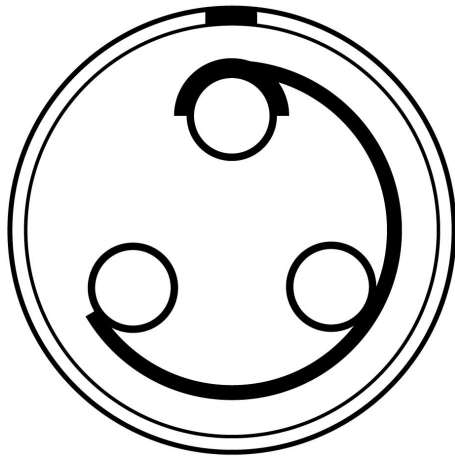
Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.30 - 4.20 mm

Drawings

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-0b-303-cykd42.html

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Contact 1: Chromel (+)
Contact 2: Alumel (-)

Dimensions

	A	L	S2	S1
mm.	9.5	35.5	7	8
in.	0.37	1.4	0.28	0.31

Recommended By Lemo

Accessories

Replacement contact	EGG.0B.660.ZZK
Compatible cap	BRF.0S.200.NAS

Tools

Spanner	DCP.91.001.TN
Spanner wrench	DCD.0B.ZZZ.PA070

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