



Image for illustrative purpose only

Summary

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Number of contacts Low Voltage	8
Protocol	1000 Base-T4 (10Gb/s)
Wire Size/AWG	24 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.10 - 4.50 mm
Size	2K
Suggested matching part	FGG.2K.514.CYCC45
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-2k-514-cymc45.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Crimp
Insert configuration value	2K.514 - 8 High Speed, Low Voltage (CAT 6A)
Insulator	Y: PEEK for crimp contacts
Rated current	5 A
Vtest (contact-contact)	1.13
Vtest (contact-shell)	1.06
Number of differentiated pairs (High speed)	4
Protocol	1000 Base-T4 (10Gb/s)
Wire Size/AWG	24 - 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, 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
Weight	48.44 g

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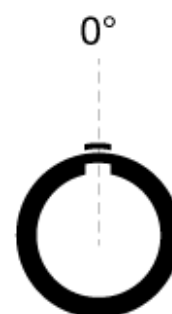
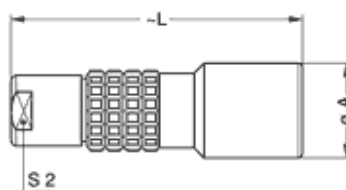
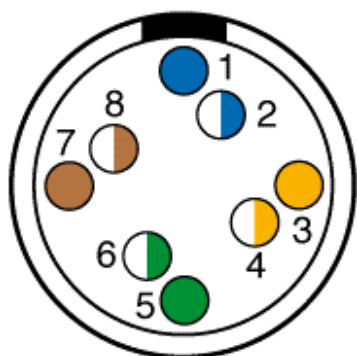
Environment

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
Climatical 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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.10 - 4.50 mm

Drawings



Dimensions

	S2	L	A
mm.	12	54	19
in.	0.47	2.13	0.75

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Recommended By Lemo

Accessories

Replacement contact [EGG.2B.655.ZZM](#)

Compatible cap [BRF.2K.200.NAS](#)

Tools

Positionner [DCE.91.072.BVM](#)

Extraction tool [DCC.07.04B.LAG](#)

Crimp tool [DPC.91.701.V](#)

Spanner wrench [DCD.2E.ZZZ.PA120](#)

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