

Special



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Summary

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[Coax triax mixed en](#)

Number of contacts Low Voltage	16
Nb of contacts Coax	2
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	14.10 - 15.00 mm
Size	3K
Suggested matching part	FGG.3K.856.CLAK153
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-3k-856-clk153.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
Nb of contacts Coax	2
Contact Termination Coax - Conductor fixing	Crimp
Contact Termination Coax – Screen fixing	Crimp
R (max)	5.8 mOhm
Insert configuration value	3K.856 - 2 Coax (50 Ohm), 16 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Impedance	50 Ohms
Test voltage (kV DC)	1
Cable type	RG 179 B/U, RG 187 A/U
Contact Dia.	0.7 mm (0.03in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	PH - Free receptacle with oversize 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	119.88 g

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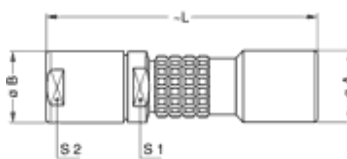
Environment

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 (max. temperature valid for short periods of use.)
Climatic 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]	14.10 - 15.00 mm

Drawings



Dimensions

	A	B	L	S2	S1
mm.	23	22	89	19	19
in.	0.91	0.87	3.5	0.75	0.75

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Recommended By Lemo

Accessories	
Compatible cap	BRF.3K.200.NAS
Tools	
Die Tool	DPE.99.103.8K
Extraction tool	DCC.91.CP1.LAG
Spanner wrench	DCD.3E.ZZZ.PA150