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Summary

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Number of contacts High Voltage	1
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	1E
Series	E - Outdoor Stepped Insert

Technical details

Electrical Configuration

Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	1E.405 - 1 High Voltage
Insulator	T: PTFE
Rated current	8 A
Test voltage (kV DC)	10.5
Creepage distance	10.5 mm

Form & Material

Shell style / Model id	PCA - 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	Circular, male
Colour	Grey
Weight	25.97 g

Environment

Technical domain	Energy and Industrial, 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

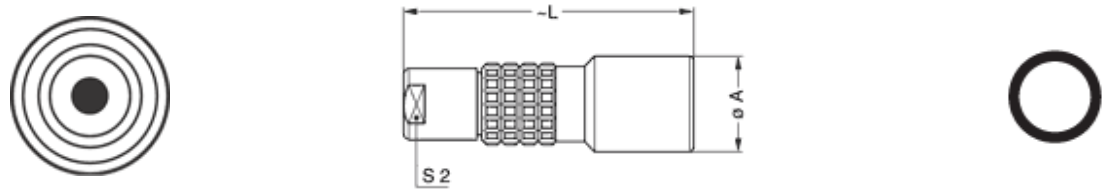
https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/pca-1e-405-ctac50.html

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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.60 - 5.00 mm

Drawings



Dimensions

	A	L	S2
mm.	15	45	9
in.	0.59	1.77	0.35

Recommended By Lemo

Accessories

Compatible cap	BRF.1K.200.NAS
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