

Standard

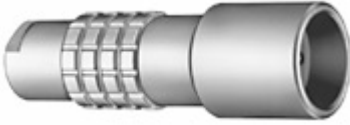


Image for illustrative purpose only

## Summary

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SE series

Number of contacts Low Voltage	2
Wire Size/AWG	24 - 16
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.60 - 8.00 mm
Size	2E
Suggested matching part	<a href="#">FFA.2E.302.CLAC80</a>
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/pca-2e-302-cllc80.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/pca-2e-302-cllc80.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	2E.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	20 A
Test voltage (kV DC)	2.4
Max. Solid Conductor	1 mm <sup>2</sup> (AWG 16)
Max. Stranded Conductor	1 mm <sup>2</sup> (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	24 - 16

## 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	Hermaphroditic keying (half moon insert) with female pin 1
Colour	Grey
Weight	44.9 g

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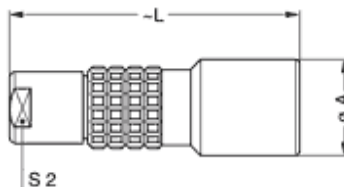
## Environment

Technical domain	Energy and Industrial, 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]	7.60 - 8.00 mm

## Drawings



## Dimensions

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

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# Recommended By Lemo

Accessories	
Compatible cap	<a href="#">BRF.2K.200.NAS</a>

## CAD

Documents	
Eplan	<a href="#">Download</a>