



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

[Customer Drawing](#)

Number of contacts Low Voltage	10
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1K
Suggested matching part	<a href="#">FGG.1K.310.CLAC65</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/eeg-1k-310-cln.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eeg-1k-310-cln.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	PCB - Straight
R (max)	8.7 mOhm
Insert configuration value	1K.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Vtest (contact-contact)	1.3 kV (DC)
Vtest (contact-shell)	2.1 kV (DC)
Contact Dia.	0.5 mm (0.02in)
Gender	Standard

## Form & Material

Shell style / Model id	EE - Fixed receptacle, nut fixing, with straight contacts for printed circuit (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
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	19.1 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/eeg-1k-310-cln.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eeg-1k-310-cln.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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.)
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

## Recommended By Lemo

### Accessories

Compatible cap	<a href="#">BRE.1K.200.NAS</a>
----------------	--------------------------------

### Tools

Spanner 2	<a href="#">DCM.65.176.AZ6</a>
Spanner wrench	<a href="#">Socket for torque wrench DCM.1E.M16.6</a>

## CAD

### Documents

PCB	<a href="#">Download</a>
PCB Eagle	<a href="#">Download</a>
Kicad	<a href="#">Download</a>
PCB Altium	<a href="#">Download</a>

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/eeg-1k-310-cln.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eeg-1k-310-cln.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.