



*Image for illustrative purpose only*

## Summary

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Number of contacts High Voltage	8
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	2P
Suggested matching part	<a href="#">CAH.H08.NLL.C52R</a>
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/ckh-h08-nlar.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/ckh-h08-nlar.html)

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# Technical details

## Electrical Configuration

Number of contacts High Voltage	8
Contact Termination High voltage	Solder
Insert configuration value	2P.H08 - 8 High Voltage
Insulator	L: PEEK and polyamide for male solder contacts
Rated current	6.5 A
Test voltage contact-contact	14.56 (kV DC)
Air clearance	7.42 mm
Creepage distance	7.42 mm
Gender	Reverse Gender
Important recommendation	The use of potting type Epoxy or / and adhesive-lined heatshrink tubes (not provided with the connector) over each termination is necessary to achieve the indicated Air Clearance and Creepage distance values as well as the indicated Test voltage.

## Form & Material

Shell style / Model id	CK - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PSU (Polysulfone), black
Locking system	Push-pull
Keying	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Black
Weight	5.9 g

## Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	>1000 mating cycles
Temperature range	-50°C / +150°C

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## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet

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