



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	10
Number of contacts High Voltage	1
Wire Size/AWG	30 - 22
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.70 - 7.50 mm
Size	3P
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/phg-3p-709-njwd75n.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/phg-3p-709-njwd75n.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	3P.709 - 1 High Voltage + 9 Low Voltage + 1 Ground contact
Insulator	J: PEEK/PEEK
Rated current	4 A
Test voltage contact-contact	2.4 (kV DC)
Air clearance	0.9 mm
Creepage distance	0.9 mm
Contact Dia.	0.9
Wire Size/AWG	30 - 22

## Form & Material

Shell style / Model id	PH - Free receptacle, cable collet
Socket / Receptacle	Free
Housing material	PSU (Polysulfone), black
Locking system	Push-pull
Keying	User configurable, 1 of 11 key positions. Plug: male contacts, Receptacle: female contacts
Colour	Black
Variant	Black front ring
Weight	22.93 g

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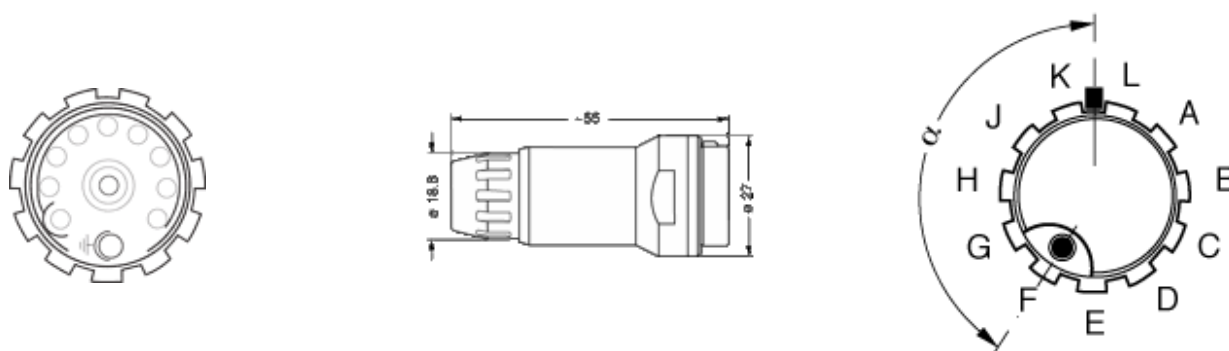
## Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP61
Endurance	>3000 mating cycles
Temperature range	-50°C / +150°C
F ret (max)	200 N
F ret (min)	100 N
Steam sterilization	Fully sterilizable (Steam, Gamma, ETO) following our protocols and tests in line with ISO 11134 and IEC 60601-1 standards. For more details on sterilization methods and cycles, please contact us.

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.70 - 7.50 mm

## Drawings



## Dimensions

	L	A
mm.	55	27
in.	2.17	1.06

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