



*Image for illustrative purpose only*

## Summary

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|                                 |  |
|---------------------------------|--|
| Number of contacts High Voltage | 5  |
| Wire Size/AWG                   | 30 - 22  |
| Gender                          | Standard                                       |
| Socket / Receptacle             | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                  | Push-pull                                      |
| Size                            | 2P   |
| Suggested matching part         | <a href="#">CAB.H05.GLA.C72A</a>               |
| Series                          | REDEL P - Push-Pull                            |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/ckb-h05-glla.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/ckb-h05-glla.html)

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# Technical details

## Electrical Configuration

|                                    |  |
|------------------------------------|--|
| Number of contacts High Voltage    | 5  |
| Contact Termination High voltage   | Solder   |
| Insert configuration value         | 2P.H05 - 5 High Voltage  |
| Footprint IPC Class3 compatibility | No   |
| Insulator                          | L: PEEK for solder contacts  |
| Rated current                      | 8 A  |
| Test voltage contact-contact       | 16.4 (kV DC)   |
| Air clearance                      | 7.96 mm  |
| Creepage distance                  | 7.96 mm  |
| Bucket Dia.                        | 0.8 mm (0.031in)   |
| Contact Dia.                       | 0.7 mm (0.027in)   |
| Wire Size/AWG                      | 30 - 22  |
| Gender                             | Standard   |
| 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 with two nuts (back panel mounting)                       |
| Socket / Receptacle    | Fixed Panel Rear Mounted  |
| Housing material       | PSU (Polysulfone), grey   |
| Locking system         | Push-pull   |
| Keying                 | B: 3 keys (alpha=0, gamma=60, Plug: male contacts, Receptacle: female contacts) |
| Colour                 | Grey  |
| Variant                | Blue front flange   |
| Weight                 | 4.68 g  |

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## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50  |
| Endurance                         | >5000 mating cycles   |
| Temperature range                 | -50°C / +150°C  |

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