

Standard



*Image for illustrative purpose only*

## Summary

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|                                    |                            |
|------------------------------------|----------------------------|
| Number of contacts Low Voltage     | 12                         |
| Wire Size/AWG                      | 30 - 22                    |
| Gender                             | Standard                   |
| Socket / Receptacle                | Socket / Receptacle - Free |
| Locking system                     | Push-pull                  |
| Jacket cable outside diameter [mm] | 3.20 - 5.20 mm             |
| Size                               | 2P                         |
| Series                             | REDEL P - Push-Pull        |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/crb-m12-gll-c52g.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/crb-m12-gll-c52g.html)

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# Technical details

## Electrical Configuration

|                                 |                             |
|---------------------------------|-----------------------------|
| Number of contacts Low Voltage  | 12                          |
| Contact Termination Low voltage | Solder                      |
| Insert configuration value      | 2P.M12 - 12 Low V.          |
| Insulator                       | L: PEEK for solder contacts |
| Rated current                   | 7 A                         |
| Test voltage contact-contact    | 1.77 (kV DC)                |
| Air clearance                   | 0.85 mm                     |
| Creepage distance               | 0.85 mm                     |
| Bucket Dia.                     | 0.8 mm (0.031 in)           |
| Contact Dia.                    | 0.7 mm (0.028 in)           |
| Wire Size/AWG                   | 30 - 22                     |
| Gender                          | Standard                    |

## Form & Material

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Shell style / Model id | CR - Free receptacle with cable collet                                          |
| Socket / Receptacle    | Free                                                                            |
| 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                                                                            |
| Weight                 | 10.3 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                                                                                                                                                                                                                 |
| F ret (max)                       | 250 N                                                                                                                                                                                                                          |
| F ret (min)                       | 150 N                                                                                                                                                                                                                          |
| Steam sterilization               | Compiles with ISO 17665:2024 sterilization standard for autoclave, ISO 11135:2014 for EtO, and ISO 11137-1, -2, -3 standards for gamma, e-beam x-ray. For more details on sterilization methods and cycles, please contact us. |

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## Cable fixation

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 3.20 - 5.20 mm                               |

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