CZ4 Modular Rectangular Connectors, up to 15,000 Mating Cycles

Modular · 1–50 A contacts · 15,000 cycles quick-lock

Contacts	Modules of 2, 4, 5, 10, 45
Current rating	1–50 A
Withstanding voltage	Up to 6000 V (2-contact module)
Temperature	–55 to +125 °C
Mating cycles	Up to 15,000

Key features

- Modules combined freely in one frame: 2, 4, 5, 10 and 45 contacts
- Hyperboloid wire-spring contacts Ø 0.4 to Ø 3.5 mm, 1 A to 50 A
- 2-contact high-voltage module: 6000 VAC withstanding
- Central 180° quick-lock (15,000 cycles) or threaded lock (5,000 cycles)
- Crimp or solder modules; cable clamp for 40–320 wires (AWG 22–28)
- Frame sizes 11 to 35

Specifications

Electrical

Parameter	Value	Condition
Dielectric withstanding voltage	6000 / 1800 / 1200 / 500 V	2- / 5- / 10- / 4- and 45-contact modules
Insulation resistance	≥ 5000 MΩ	Normal conditions

Mechanical

Parameter	Value	Condition
Durability	15,000 / 5,000 mating cycles	Quick-lock / threaded lock
Operating temperature	–55 to +125 °C	

Contacts

Contact Ø	Max. contact resistance	Min. axial load	Current
0.40 mm	8 mΩ	15 N	1 A
0.60 mm	6 mΩ	45 N	5 A
1.20 mm	3 mΩ	45 N	5 A
1.50 mm	2.5 mΩ	45 N	9 A
2.50 mm	1.5 mΩ	70 N	25 A
3.50 mm	0.6 mΩ	70 N	50 A

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