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MZJ25A-33

DC contactor



Series product photograph. Nameplate and configuration depend on the selected model.

Model	MZJ25A-33
Contact arrangement	3NO+3NC
Rated contact current	25A
Rated contact voltage	27V DC
Coil voltage	27V DC

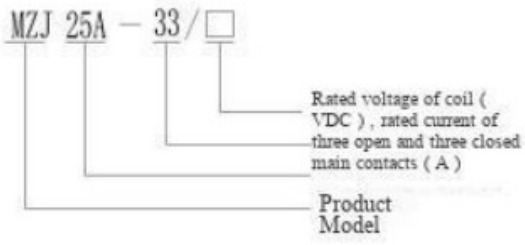
MZJ25A-33 DC Contactor

Technical reference compiled from the exact-model manufacturer website. Ratings follow the technical table; this is a website-source supplement.

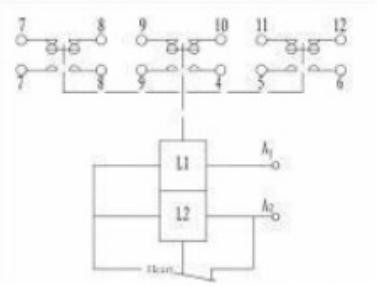
Model	MZJ25A-33
Contact arrangement	3NO+3NC
Rated contact current	25A
Rated contact voltage	27V DC
Coil voltage	27V DC
Coil power	Start ≤142W; hold ≤12W
Contact voltage drop	≤80mV
Pickup / release voltage	≤75% Us / ≥5% Us and ≤40% Us
Pickup / release time	≤50ms / ≤30ms
Momentary maximum current	4 × rated current, ≤1 second
Electrical life at 25A, 27V	≥6,000 cycles
Mechanical life	≥100,000 cycles
Insulation resistance	≥100 MΩ at 500V DC
Dielectric withstand	1000V AC, 1 minute, no breakdown
Coil insulation	Class F (155°C)
Contact material	Silver alloy
Operating duty	Continuous
Ambient temperature	–40 to +70°C
Terminal / coil temperature rise	≤65K / ≤85K
Vibration	Sine, 2.5g, 5–50Hz
Shock	50g, 11ms, half-sine

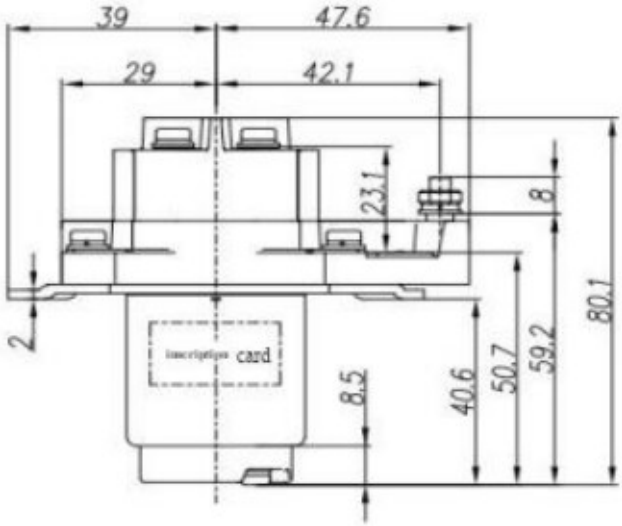
Model selection, wiring and mounting

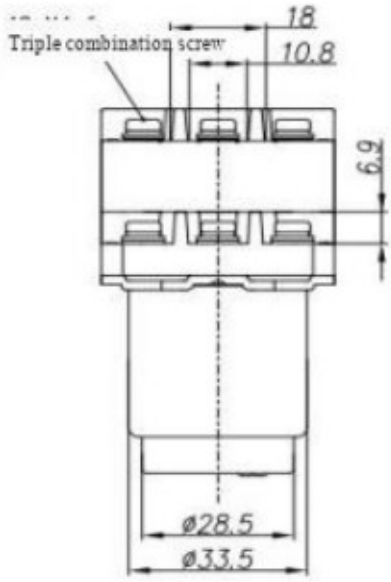
◎ Model meaning

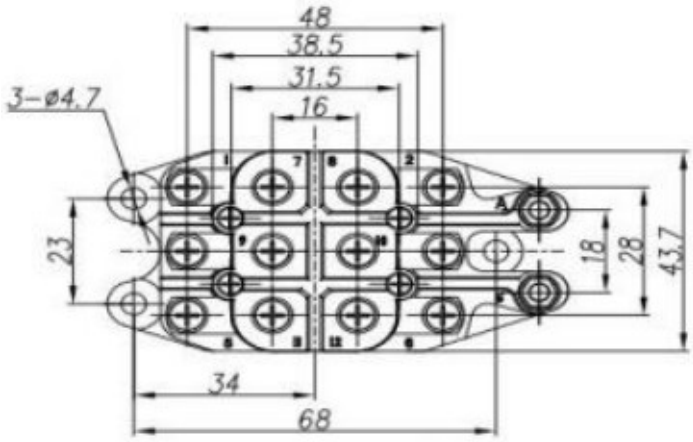


◎ Electrical schematic diagram









Size range (mm)	Tolerance range (mm)
0～3	Shi 0.2
3～6	±0.25
6～10	±0.28
10～14	Shi 0.32
14～18	±0.38
18～24	±0.45
24～30	Shi 0.5
30～40	Shi 0.56
40～50	±0.64
50～65	±0.74
65～80	±0.86
80～100	Shi 1