

PRODUCT INFORMATION

CA1315/08

3 pole AC traction contactor
for electric multiple units



The CA1315/08 is a 3 pole AC power contactor with a current-carrying capacity of 800 A! It is typically used for switching off permanent magnet traction motors (PMSM) of EMUs in the event of a short-circuit in the output circuit of the traction inverter in order to prevent the drive from being blocked.

The CA contactor series is especially designed for use with permanent magnet traction motors with supply voltage frequencies up to 400 Hz!

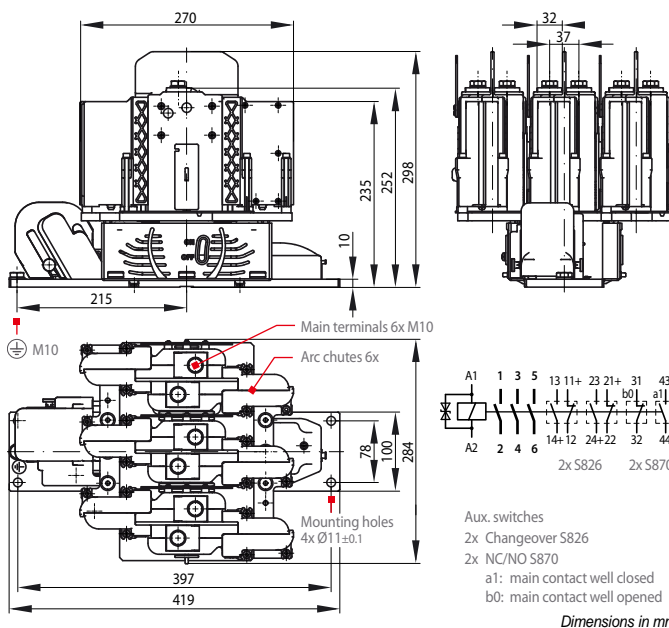
Features and application

- **Disconnecter for switching on/off permanent magnet traction motors (PMSM)**
Power range: 1,500 V AC / 800 A
- **3 pole version with double-break contacts:**
High short-circuit breaking capacity, reinforced insulation between main circuit and control/auxiliary circuit
- **Innovative design:**
Compact, rugged, reliable, low maintenance

Standards

IEC 60077-1, IEC 60077-2

Dimension diagram



Specifications

Series	CA1315/08
Type of voltage	AC ($f \leq 400\text{Hz}$)
Main contacts	3 x SPST-NO
Rated insulation voltage U_i	2,000 V AC
Rated impulse withstand voltage U_{imp}	15 kV
Pollution degree	PD3
Overvoltage category	OV3
Conventional thermal current I_{th}	800 A
Auxiliary contacts	1 x S870 (a1), 1 x S870 (b0), 2 x S826
Coil voltage U_s	24 / 36 / 72 / 110 V DC
Power dissipation	Pull-in: 170 W / Hold: 15 W
Mechanical endurance	> 500,000 cycles
Mounting orientation	horizontal / vertical, do not mount upside down
Temperature range	-40° C ... +70° C
Weight	approx. 25 kg