



INVERTER

New Product RELEASE

No.16-3E

Release of the enhanced vibration resistance model of the FR-A800-CRN inverter for crane applications

The enhanced vibration resistance model (with dedicated specifications) is added to the FR-A800-CRN series inverter.

Features

Vibration resistance of the inverter is enhanced since a vibration may occur in some operating conditions, for example, during traveling of the crane.

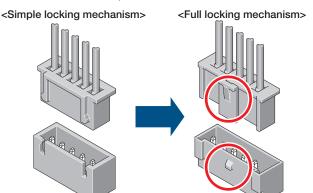
(1) Enhanced adhesion of the circuit board components

Components on the circuit board are fixed with adhesive for enhanced vibration resistance.



(2) Enhanced countermeasure of connector coming-off prevention

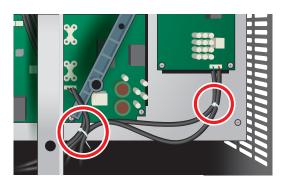
Instead of the simple locking mechanism, the full locking mechanism is adopted for cable connectors.





(3) Adoption of cable ties

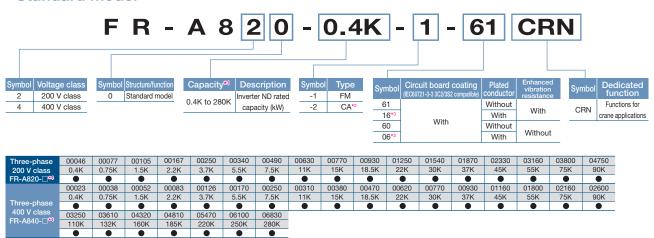
Cables are bound and fixed to avoid contact with conductive components inside the inverter in case of strong vibrations.



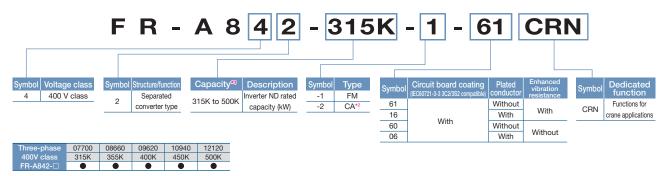
Release schedule

November 2016

Standard model



Separated converter type



^{*1} Models can be alternatively indicated with the inverter rated current(SLD rating).

Models can be alternatively indicated with
 Specification differs by the type as follows.

Symbol	Туре	Motor output	Built-in EMC filter	Initial setting		
				Control logic	Rated frequency	Base frequency voltage (Pr.19)
-1	FM	Terminal FM (pulse train output) Terminal AM (analog voltage output (0 to 10 VDC))	OFF	Sink logic	60 Hz	9999 (same as the power supply voltage)
-2	CA	Terminal CA (analog current output (0 to 20 mA)) Terminal AM (analog voltage output (0 to 10 VDC))	ON	Source logic	50 Hz	8888 (95% of the power supply voltage)

^{*3} Available for the 5.5K or higher.

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⁴ For the 75K or higher inverter, or whenever a 75 kW or higher motor is used, always connect a DC reactor (FR-HEL), which is available as an option.