

CIRCUIT BREAKER 500 – CB 500



The CB 500 is a pyrotechnical safety device used for secure electrical separation of the conductor in case of a crash in order to protect passengers and first responders. Separation is done pyrotechnically. The electric arc is extinguished by an extinguishing agent. The CB 500 has

to be triggered for activation in the event of an accident. In case of electrical overload or short circuit the device is activated and the busbar is disconnected.

TECHNICAL DATA

Dimensions	Length 46 mm, Width 46 mm, Height 80 mm (without conductor)
Weight	230 g
Separation Capacity	16 kA @ 500 VDC max./20 µH higher values on request
Separation Time	Less than 2 ms
Nominal Current	400 A @ 85 °C
Pyrotechnics	GTMS Igniter (AK - LV 16 / 2012) - galvanic separation to busbar
Pyrotechnic Interface	Pin Type
Operating Temperature	- 40 °C to 120 °C
Environmental Temperature	- 40 °C to 85 °C
Full Range Fuse	Before and after activation galvanic separation between high and low voltage according AK-LV 123
Internal Resistance	< 40 µΩ

A large, faint, stylized letter 'H' logo is centered in the background. The 'H' is composed of thick, rounded vertical bars and a curved top bar, all in a lighter shade of blue than the background. The logo is partially obscured by the text and the website address.

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