

NEW

The DC500VBI1030 has been developed to protect DC/DC converters for electric, hybrid or fuel cell vehicles. This fuse employs a wire-type fuse-element and can be mounted onto a printed board.

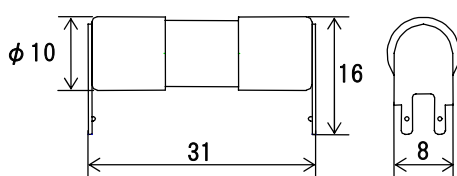
DC500VBI1030

RoHS **Pb**

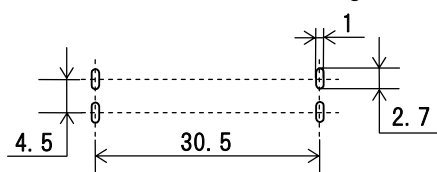
DC500V



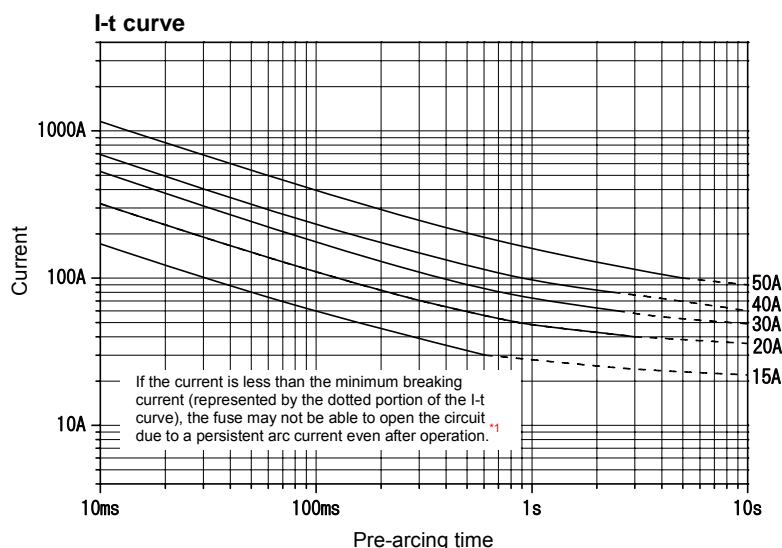
Scale: 1/1



Referential dimensions of mounting holes



Unit: mm



The I-t curves above are based on the average values of measurements obtained under testing conditions specified by our company. The information is for reference purposes only, and is not intended to infer any guarantees of performance.

Rated voltage	Certification	Rated current (I_N)	Rated breaking current		Minimum breaking current ^{*1}	Current carrying capacity $1.0I_N$	Temp. rise $1.0I_N$	Overload operation $2.0I_N$
DC500V	—	15A	1000A	Resistive circuit	30A	Until temperature stabilization occurs.	150K or less	Within 2min
		20A			40A			
		30A			60A			
		40A			80A			
		50A			100A			

*1: "Minimum breaking current" is the minimum current value that this fuse can safely interrupt to open a resistive circuit of DC 500 V in which this fuse has been inserted. When fusing occurs at currents of less than the minimum breaking current, continuous arcing may occur, or a previously extinguished arc may reoccur, and it may therefore not be possible to break the current. Do not apply fusing conditions of currents less than the minimum breaking current to the fuse, as fires and other accidents may occur due to the inability to open the circuit.