

Eaton 14 mm xEV Fuses



14 mm fast-acting fuses for reliable overcurrent protection in EV applications



Eaton's Bussmann™ series 14 mm xEV fuses provide high voltage DC-rated overcurrent protection for electric vehicle power management.

Product description

Eaton's Bussmann™ series 14 mm xEV fuses provide high voltage (up to 1000 V) DC-rated overcurrent protection for electric vehicle power management. These 14 mm diameter fuses are offered in 3 families: EAC14, EXC14, and EKC14, with multiple termination styles available for each.

Features and benefits

- More compact footprints compared to other cartridge fuse diameters
- High voltage ratings; up to 1000 V
- Bolt down and PCB terminal mount options
- Provides an optimum balance of footprint, cost, and ratings

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Electrical characteristics

EAC14

Amps (A)	Minimum (seconds)	Maximum (seconds)
3.0 In	0.1	15

EXC14

Amps (A)	Minimum (seconds)	Maximum (seconds)
3.0 In	0.1	15

EKC14

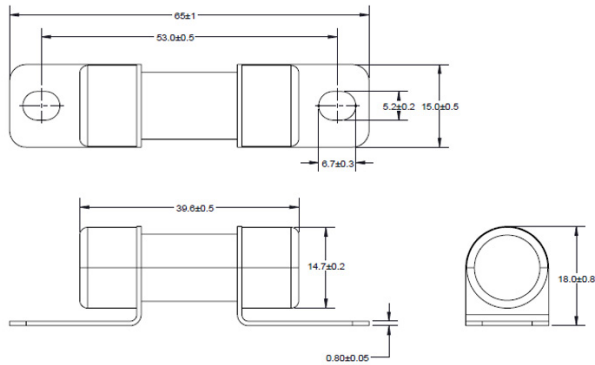
Amps (A)	Minimum (seconds)	Maximum (seconds)
2.0 In	0.5	100
3.0 In	0.1	15
5.0 In	0.05	1

Product specifications

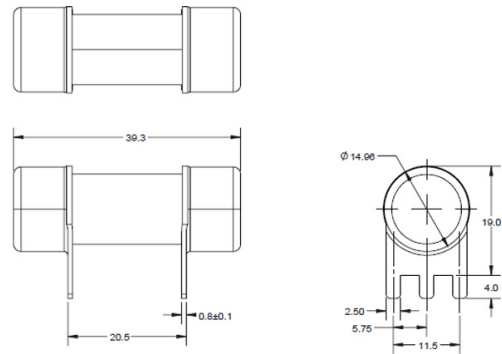
Part number	Voltage rating		Current rating (A)	Breaking capacity @ rated voltage	
	(V _{AC})	(V _{DC})		(A) V _{AC}	(A) V _{DC}
EAC14					
EAC14-50	420	500	50	6000	20,000
EAC14-60	420	500	60	6000	20,000
EAC14-70	420	500	70	6000	20,000
EAC14-80	420	500	80	6000	20,000
EXC14					
EXC14-50	-	800	50	-	50,000
EXC14-60	-	800	60	-	50,000
EXC14-70	-	800	70	-	50,000
EXC14-80	-	800	80	-	50,000
EKC14					
EKC14-40	-	1000	40	-	50,000
EKC14-50	-	1000	50	-	50,000

Dimensions- mm

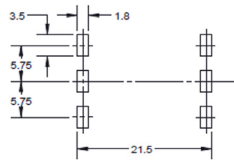
SCT: Bolt-down terminal single cap



3P: PCB 3 terminal



PCB layout



Eaton
Electronics Division
 1000 Eaton Boulevard
 Cleveland, OH 44122
 United States
Eaton.com/electronics

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