

## Eaton 10 x 38 mm xEV fuses



# 10 x 38 mm fast-acting fuses for reliable overcurrent protection in EV applications



Eaton's Bussmann™ series 10 x 38 mm xEV fuses provide high voltage DC-rated overcurrent protection for electric vehicle power management.

### Product description

Eaton's Bussmann™ series 10 x 38 mm xEV fuses provide high voltage (up to 1000 V) DC-rated overcurrent protection for electric vehicle power management. These 10 x 38 mm diameter fuses are offered in 3 families: EVM10, EXM10, and EKM10, with multiple termination styles (including bolt down, and PCB) available.

- More compact footprints compared to other cartridge fuse diameters
- High voltage ratings; up to 1000 V
- Bolt down and PCB terminal mount options
- Allows ease of integrating fuses in customer applications

### Features and benefits

**EATON**

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## Electrical characteristics

### EVM10

Amps (A)	Minimum	Maximum
1.0 ln	4 hours	-
3.0 ln	0.1 seconds	15 seconds

### EXM10

Amps (A)	Minimum	Maximum
1.0 ln	4 hours	-
2.0 ln	0.5 seconds	100 seconds
3.0 ln	0.1 seconds	15 seconds
5.0 ln	0.05 seconds	1 seconds

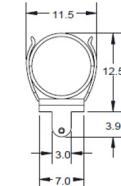
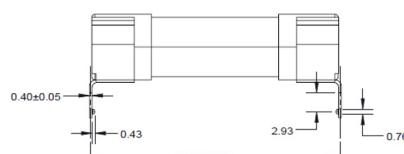
### EKM10

Amps (A)	Minimum	Maximum
1.0 ln	4 hours	-
2.0 ln	1 seconds	300 seconds
3.0 ln	0.2 seconds	30 seconds
5.0 ln	0.1 seconds	10 seconds

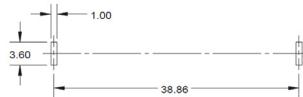
## Product specifications

Part number	Voltage rating (V <sub>DC</sub> )	Current rating (A)	Breaking capacity @ rated voltage (A) V <sub>DC</sub>	Suffix
<b>EVM10</b>				
EVM10-5	500	5	20,000	-SCT, -1P, -2P
EVM10-10	500	10	20,000	-SCT, -1P, -2P
EVM10-20	500	20	20,000	-SCT, -1P, -2P
EVM10-30	500	30	20,000	-SCT, -1P, -2P
EVM10-40	500	40	20,000	-SCT, -1P, -2P
EVM10-50	500	50	20,000	-SCT, -1P, -2P
<b>EXM10</b>				
EXM10-5	800	5	50,000	-SCT, -1P, -2P
EXM10-10	800	10	50,000	-SCT, -1P, -2P
EXM10-15	800	15	50,000	-SCT, -1P, -2P
EXM10-20	800	20	50,000	-SCT, -1P, -2P
EXM10-25	800	25	50,000	-SCT, -1P, -2P
EXM10-30	800	30	50,000	-SCT, -1P, -2P
EXM10-40	800	40	50,000	-SCT, -1P, -2P
EXM10-50	750	50	50,000	-SCT, -1P, -2P
<b>EKM10</b>				
EKM10-10	1000	10	50,000	-SCT, -AT, -1P, -2P
EKM10-15	1000	15	50,000	-SCT, -AT, -1P, -2P
EKM10-20	1000	20	50,000	-SCT, -AT, -1P, -2P
EKM10-25	1000	25	50,000	-SCT, -AT, -1P, -2P
EKM10-30	1000	30	50,000	-SCT, -AT, -1P, -2P

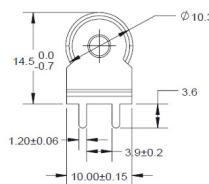
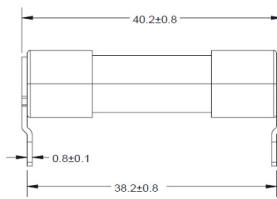
### PCB single terminal



### PCB layout single terminal



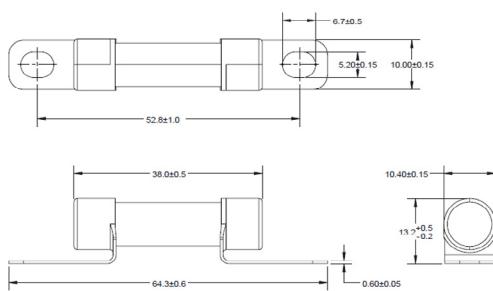
### 2P: PCB 2 terminal



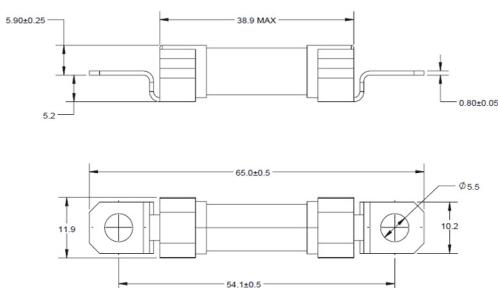
### PCB layout 2 terminal



### SCT: Bolt-down terminal single cap



### AT: Bolt-down terminal axial tag



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