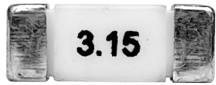




Fast-acting fuses for overcurrent protection in high-voltage applications



Eaton Bussmann™ series 1145HV and 1350HV fast-acting fuses provide overcurrent protection up to 5 A in high voltage applications.

Product description

Eaton Bussmann™ series 1145HV and 1350HV fast-acting fuses provide overcurrent protection up to 7.5 A in high voltage applications for computing, energy, industrial, and transportation. Higher voltage ratings, coupled with their compact SMD package sizes, help reduce overall PCB space requirements.

The 1145HV comes in an 11 x 4.5 mm footprint, while the 1350HV comes in a 13 x 5.0 mm footprint. For automotive applications, the 1145HV fuses offer an AEC-Q200 qualified version (1145HVA), which is ideally suited to the latest EV applications. Applications for Eaton's fuses include powertrains, onboard EV battery systems, servers, uninterrupted power supplies (UPS), and DC-DC converters.

Features and benefits

- High voltage ratings (up to 350 Vac/600 Vdc) in small-footprint SMD packages
- High interrupting ratings suitable for applications with high fault currents
- Footprint compatible with competitor solutions
- AEC-Q200 qualified version available for superior performance in automotive applications, including EVs



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Product specifications

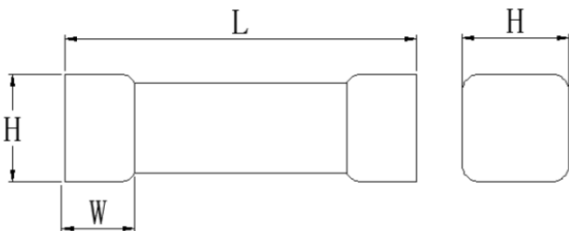
Part number	Current rating (A)	Voltage rating (Vac) (Vdc)		Interrupting rating @ rated voltage ¹ (A) Vac (A) Vdc		Typical resistance ² (mΩ)	Typical voltage drop (mV)	Typical pre-arcing ³ I ² t (A ² s)	Part marking
1145HV1-R	1	350	500 350	100	100 A @ 500 Vdc 1500 A @ 350 Vdc	200	220	0.50	1
1145HV1-25-R	1.25	350	500 350	100	100 A @ 500 Vdc 1500 A @ 350 Vdc	160	210	0.95	1.25
1145HV1-6-R	1.6	350	500 350	100	100 A @ 500 Vdc 1500 A @ 350 Vdc	100	190	2.3	1.6
1145HV2-R	2	350	500 350	100	100 A @ 500 Vdc 1500 A @ 350 Vdc	80	185	4.1	2
1145HV2-5-R	2.5	350	500 350	100	100 A @ 500 Vdc 1500 A @ 350 Vdc	40	120	2.6	2.5
1145HV3-15-R	3.15	350	500 350	100	100 A @ 500 Vdc 1500 A @ 350 Vdc	31.5	140	3.3	3.15
1145HV4-R	4	350	450 125	100	100 A @ 450 Vdc 1500 A @ 125 Vdc	24.5	140	5.5	4
1145HV5-R	5	350	450 125	100	100 A @ 450 Vdc 1500 A @ 125 Vdc	17.5	130	11.5	5

Part number	Current rating (A)	Voltage rating (Vac) (Vdc)		Interrupting rating @ rated voltage ¹ (A) Vac (A) Vdc		Typical resistance ² (mΩ)	Typical voltage drop (mV)	Typical pre-arcing ³ I ² t (A ² s)	Part marking
1350HV1-R	1	350	600	100	100	252	335	0.5	1
1350HV1-25-R	1.25	350	600	100	100	192	325	0.95	1.25
1350HV1-6-R	1.6	350	600	100	100	116	230	2.3	1.6
1350HV2-R	2	350	600	100	100	93	255	4.1	2
1350HV2-5-R	2.5	350	600	100	100	51	174	2.6	2.5
1350HV3-15-R	3.15	350	600	100	100	39	165	3.4	3.15
1350HV4-R	4	350	500	100	100	31	175	5.5	4
1350HV5-R	5	350	500	100	100	22	155	11.5	5
1350HV6-R	6	350	400	100	200	16.3	155	15	6
1350HV7-5-R	7.5	350	400	100	200	13.5	165	25	7.5

*For automotive applications, the 1145HV fuses offer an AEC-Q200 qualified version (the 1145HVA), which is ideally suited to the latest EV applications (see datasheets).

Dimensions- mm

Drawing not to scale



Part number	Rating	L	W	H
1145HV	1 A ~ 5 A	11.2 ±0.5	2.8 ±0.5	5.05 ±0.5
1350HV	1 A ~ 5 A	13.2 ±0.5	2.8 ±0.2	5.05 ±0.5

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