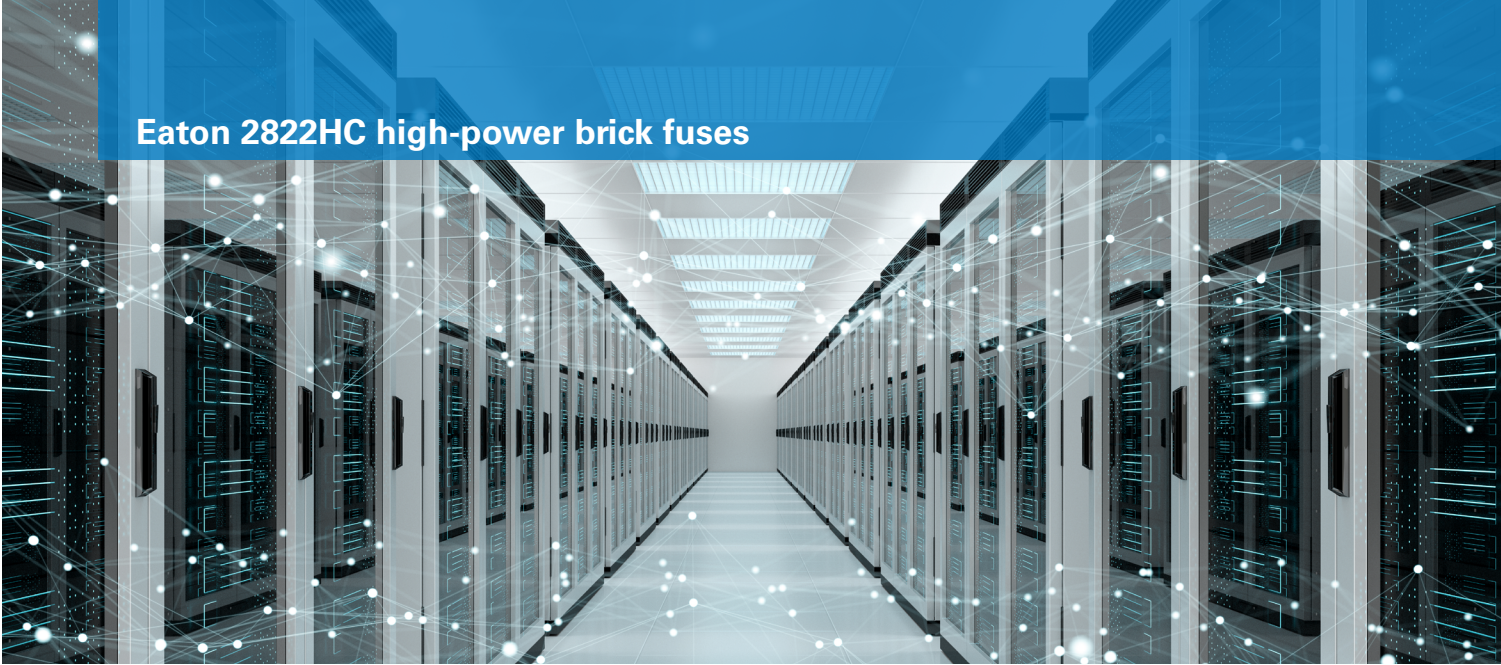


Eaton 2822HC high-power brick fuses



Eaton's high-power SMD fuses for reliable overcurrent protection in electronic applications



Eaton's Bussmann™ series 2822HC high-power brick fuses provide reliable overcurrent protection with ultra-high current carrying capability.

Product description

Eaton Bussmann™ series 2822HC high-power brick fuses provide reliable overcurrent protection with ultra-high current carrying capability. The 2822HC fuses are ideal for use in a wide range of high-power applications, including computing, industrial, consumer, and energy. 2822HC fuses come in surface-mount packaging and 7.6 mm x 6.0 mm (2822 EIA) footprint for optimum space savings. Due to its broad current handling capabilities, 2822HC offers end-users a single-fuse solution for high current applications instead of using larger fuses or paralleling smaller fuses to reach equivalent high current carrying capability.

Features and benefits

- 40 A – 125 A current ratings providing a single-fuse solution for high current applications
- High 1000 A interrupting rating at rated voltage
- Provides high power input protection
- High reliability
- Ultra-compact footprint (2822 EIA) for space savings
- Same footprint for all amperages
- UL recognized for superior reliability

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Electrical characteristics

Amp Rating	1.0 In minimum	2.5 In maximum
40 A ~ 125 A	4 hours	60 seconds

Product specifications

Part number	Current rating (A)	Voltage rating (Vdc)	Interrupting rating @ rated voltage ¹ (A) Vdc	Typical cold resistance ² (mΩ)	Typical voltage drop (mV)	Part marking
2822HC40-R	40	72*	1000 A @ 72 Vdc 1000 A @ 80 Vdc	1.10	75	BUSS 2822HC 40 A
2822HC50-R	50	72*	1000 A @ 72 Vdc 1000 A @ 80 Vdc	0.87	75	BUSS 2822HC 50 A
2822HC60-R	60	72*	1000 A @ 72 Vdc 1000 A @ 80 Vdc	0.78	100	BUSS 2822HC 60 A
2822HC70-R	70	72*	1000 A @ 72 Vdc 500 A @ 80 Vdc	0.60	100	BUSS 2822HC 70 A
2822HC80-R	80	72*	1000 A @ 72 Vdc 500 A @ 80 Vdc	0.58	100	BUSS 2822HC 80 A
2822HC90-R	90	72*	1000 A @ 72 Vdc 500 A @ 80 Vdc	0.54	100	BUSS 2822HC 90 A
2822HC100-R	100	72*	1000 A @ 72 Vdc 500 A @ 80 Vdc	0.44	100	BUSS 2822HC 100 A
2822HC125-R	125	60	1000 A @ 60 Vdc	0.40	110	BUSS 2822HC 125 A

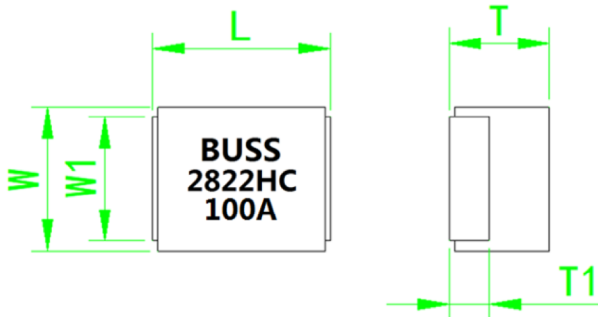
1. DC Interrupting rating (measured at designated voltage, time constant of less than 1 millisecond, battery source)

2. Typical cold resistance is measured at <10% of rated current in ambient temperature of +25 °C

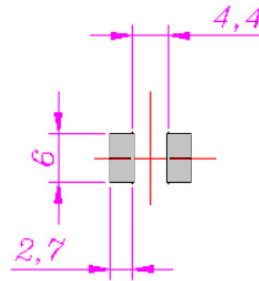
*= UL rated at 72 Vdc and 80 Vdc

Dimensions- mm

Drawing not to scale



Recommended pad layout



Amp rating	L	W	T	W1	T1
40 A - 90 A	7.6 ± 0.30	6.0 ± 0.30	4.2 ± 0.20	5.0 REF	1.6 REF
100 A - 125 A	7.7 ± 0.30	6.0 ± 0.30	4.3 ± 0.30	5.0 REF	1.6 REF

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