

Increase flexibility with one bolt pattern, in one compact footprint



Bussmann series NH PV fuses use a consistent bolt-hole pattern for 63-400A ratings, providing design flexibility for high current solar applications.

Product description:

Eaton's Bussmann® series 1000Vdc NH size Photovoltaic (PV) fuses are specifically designed for protecting and isolating array combiners/re-combiners, disconnects and inverters.

Bussmann series NH PV fuses offer the highest current density with two unique mounting options. The traditional blade version is for use with a fuse block and provides quick, tool-less replacement for easier maintenance. The bolt-on version with common hole centers easily integrates into standardized busbar designs for component reduction and improved assembly time.

Features and benefits:

- Compact size saves enclosure space for greater design flexibility.
- Bolt-on version features common hole centers for standardizing busbar designs across the 63-400 amp range.
- Bolt-on version eliminates the need for a fuse block, reducing installation time and components.
- Industry-leading low power loss provides greater efficiency and lower operating temperature.

 Global agency standards simplify designs for worldwide markets.

BUSSMANN

Dual indication feature and optional microswitches make system monitoring easier.



Specifications

Technical data:

- Volts
- 1000Vdc
- · Amps
- 32 to 400A
- · IR
- 50kA
- · Time constant
 - 1-3mS
- · Class of operation
- gPV and UL PV

Agency information:

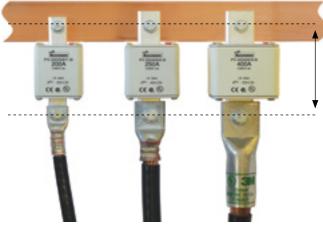
- UL® Listed, Guide JFGA, File E335324. Photovoltaic to UL 2579
- IEC[®] 60269-6 gPV
- CSA® Class 1422-30, File 53787 • (32-160A)
- CCC[®] pending

Microswitches (ordered separately)*:

- 170H0236
- 170H0238
- BVL50

Fuse blocks (ordered separately)*:

- · SD1-D-PV
- · SD2-D-PV
- SD3-D-PV
- *For use with bladed version.



Standard bolt-hole pattern allows standardized busbars or cable lengths across the full 63-400A range of fuses.



Technical data Blade without bolt-holes

		Current	Energy I²t (A	Watts loss		
Part number	Fuse size	rating (amps)	Pre-arcing	Total at 1000V	0.81 _n	I,
PV-32ANH1		32	80	720	4	8
PV-40ANH1	-	40	185	1670	5	9
PV-50ANH1	_	50	400	3600	6	11
PV-63ANH1	_	63	470	4300	6	12
PV-80ANH1	NH1	80	640	5760	8	15
PV-100ANH1	_	100	1300	11,700	8	16
PV-125ANH1	_	125	2600	23,400	9	17
PV-160ANH1	_	160	5200	46,800	14	27
PV-200ANH1	_	200	10,200	82,000	13	25
PV-250ANH2	NH2	250	17,000	136,000	19	38
PV-300ANH3		300	32,000	260,000	24	40
PV-315ANH3	_	315	32,000	260,000	26	44
PV-350ANH3	NH3	350	44,500	370,000	27	45
PV-355ANH3	_	355	44,500	370,000	28	46
PV-400ANH3	-	400	67,500	550,000	30	50

Blade with bolt-holes

Industry-leading efficiency results in low power loss and low operating temperature.

		Current	Energy in I ² t (A ² S	Watts loss		
Part number with bolt holes	Fuse size	rating (amps)	Pre-arcing	Total at 1000V	0.81 _n	I _n
PV-63ANH1-B		63	470	4300	6	12
PV-80ANH1-B		80	640	5760	8	15
PV-100ANH1-B	NH1	100	1300	11,700	8	16
PV-125ANH1-B	_	125	2600	23,400	9	17
PV-160ANH1-B	-	160	5200	46,800	14	27
PV-200ANH1-B		200	10,200	82,000	13	25
PV-250ANH2-B	NH2	250	17,000	136,000	19	38
PV-315ANH3-B		315	32,000	260,000	26	44
PV-355ANH3-B	NH3	355	38,000	310,000	29	48
PV-400ANH3-B		400	61,000	490,000	32	50

See data sheet No. 720133 for more infomation.

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Powering Business Worldwide

Eaton

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