

Leadership in fusible circuit protection



Eaton's Bussmann series battery storage fuse links are specifically designed to protect and isolate battery array combiners and disconnects. They are capable of interrupting low overcurrent associated with faulted battery storage systems.

Features and benefits

- Eaton's Bussmann series battery storage fuse links have been designed in accordance with the proposed IEC 60269-7 standard, ensuring your system will be well protected from possible fault conditions and give the longest achievable service life.
- Eaton's Bussmann series battery storage fuse links' low power loss ensures your applications runs optimally and supports the system to maximise the efficiency of the battery storage system.
- Eaton's Bussmann series battery storage fuses are available as bolted and bladed mounting options to suit new, replacement or upgraded battery storage system.
- Eaton's Bussmann series battery storage NH body style fuse links are fitted with a dual indicator allowing rapid identification and easy replacement of the activated fuse, reducing maintenance cost and downtime.
- A full range of fuse bases and accessories (e.g. microswitches) are available to make easy installation a reality.

Specifications

- 2 Fuse body types: XL and NH
- Rated voltage:
 - NH Fuses 1000 V d.c.
 - XL Fuses 1500 V d.c.
- Rated current: 63 A to 500 A
- Breaking capacity: 100 kA
- Time constant: 4.5 ms at 100 kA
- RoHS and Reach compliant
- Operating class: gBat proposed for full range fuses for protection of battery storage systems
- IEC 60269-7 for battery storage fuses is under preparation (expected publication in 2021)



EATON

Powering Business Worldwide

NH Battery storage fuses overview

Catalogue number with knife blade	Catalogue number with bolted blade	Fuse body size	Rated current (Amps)	Rated voltage (V d.c.)	Pre-arcing I ² t	Total I ² t @ 1000 V d.c.	Power loss at 0.7 x I _n (W)	Power loss at I _n (W)	Fuse bases*	Microswitches*
BSF-063G-NH110	BSF-063G-NH110-B	1	63	1000	470	4300	5	12	SD1-D-PV	170H0236 or 170H0238
BSF-080G-NH110	BSF-080G-NH110-B	1	80	1000	640	5760	6	15.5	SD1-D-PV	
BSF-100G-NH110	BSF-100G-NH110-B	1	100	1000	1300	11,700	7	16.5	SD1-D-PV	
BSF-125G-NH110	BSF-125G-NH110-B	1	125	1000	2600	23,400	7	17.5	SD1-D-PV	
BSF-160G-NH110	BSF-160G-NH110-B	1	160	1000	5200	46,800	11	27.5	SD1-D-PV	
BSF-200G-NH110	BSF-200G-NH110-B	1	200	1000	10,200	82,000	10	25	SD1-D-PV	170H0236 or 170H0238
BSF-160G-NH210	BSF-160G-NH210-B	2	160	1000	4600	37,000	11	28	SD2-D-PV	
BSF-200G-NH210	BSF-200G-NH210-B	2	200	1000	9500	76,000	13	32	SD2-D-PV	
BSF-250G-NH210	BSF-250G-NH210-B	2	250	1000	17,000	136,000	15	38	SD2-D-PV	
BSF-315G-NH310	BSF-315G-NH310-B	3	315	1000	32,000	260,000	18	44	SD2-D-PV	
BSF-355G-NH310	BSF-355G-NH310-B	3	355	1000	44,500	370,000	18	46	SD3-D-PV	170H0236 or 170H0238
BSF-400G-NH310	BSF-400G-NH310-B	3	400	1000	67,500	550,000	20	50	SD3-D-PV	

* Fuse bases and microswitches for use with knife blade fuses only

XL Battery storage fuses overview

Catalogue number with knife blade	Catalogue number with bolted blade	Fuse body size	Rated current (Amps)	Rated voltage (V d.c.)	Pre-arcing I ² t	Total I ² t @ 1500 V d.c.	Power loss at 0.7 x I _n (W)	Power loss at I _n (W)	Fuse bases*	Microswitches
BSF-250G-3XL15	BSF-250G-3XL15-B	3	250	1500	74,000	263,000	20	49	SD3L-S-PV	For knife blade fuses: 170H0236 or 170H0238
BSF-315G-3XL15	BSF-315G-3XL15-B	3	315	1500	150,000	533,000	21	52	SD3L-S-PV	
BSF-355G-3XL15	BSF-355G-3XL15-B	3	355	1500	195,000	693,000	24	59	SD3L-S-PV	
BSF-400G-3XL15	BSF-400G-3XL15-B	3	400	1500	296,000	1,060,000	24	61	SD3L-S-PV	For bolted blade fuses: 170H0069
BSF-450G-3XL15	BSF-450G-3XL15-B	3	450	1500	412,000	1,470,000	27	67	N/A	
BSF-500G-3XL15	BSF-500G-3XL15-B	3	500	1500	532,000	1,890,000	29	73	N/A	

* Fuse bases for knife blade fuses only



NH Bolted fuse

XL Bolted fuse

NH Bladed fuse

Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland

Eaton Electrical Products Ltd
Unit 1, Hawker Business Park,
Melton Road, Burton-on-the-Wolds
Leicestershire, LE12 5TH
United Kingdom

© 2020 Eaton
All Rights Reserved
PDF only
PA135010EN
March 2020

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

