### Technical Data 720038

Effective December, 2015 Supersedes August, 2003

## BUSSMANN SERIES

# FWH

### 6x32mm high speed ferrule fuses





### **Catalog symbols:**

- · FWH-(amp)A6F
- · FWH-(amp)A6FR (RoHS compliant)
- · FWH5-(amp)A6F
- FWH5-(amp)A6FR (RoHS compliant)

### **Description:**

Eaton's Bussmann<sup>®</sup> series of FWH 6x32mm ferrule high speed fuses are for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

### **Specification:**

### Ratings

- Volts
  - 500Vac (0.25-1A and 3.15-30A)
  - 1000Vac (2A)
  - · 600Vdc (1-5A)
- Amps
  - 0.25-30A
- Interrupting rating
- 50kA AC (0.25-1A and 3.15-20A)
- · 30kA AC (2A)
- · 20kA AC (25-30A)
- 50kA DC (1-5A)

### **FATON** Powering Business Worldwide

### Agency information

- · CE
- · RoHS compliant
- · UL® Recognized JFHR2, E91958, 0.25-7A
- · UL Recognized JDYX2, E19180, 10-30A
- CSA<sup>®</sup> Component Acceptance file Class 1422-30, 1422-90 (53787) 0.25-7A

#### **Opening times:**

Amp range	150%	200%	300%
0.25-7A	> 30 min.	> 30 min.	≤ 10 sec.
10-30A	> 30 min.	> 30 min.	$\leq$ 10 sec.

### **Dimensions:**



### **Features:**

- · Low watts loss in a compact size
- Excellent cycling capability and DC performance
- Low arc voltage and low energy let-through (l<sup>2</sup>t)

#### **Typical applications:**

- · DC common bus
- DC drives
- · Power converters/rectifiers
- Reduced voltage starters

### **Catalog numbers:**

	Rated voltage	l²t (A²s)				Catalog numbers	
Amps	Vac	Vdc	Pre-arcing	Clearing @ 500Vac	Watts loss (W)	Standard	RoHS compliant
0.25	500	_	0.01	0.05	2.7	FWH-250A6F	FWH-250A6F
0.5	500	_	0.05	0.25	1.2	FWH-500A6F	FWH-500A6F
1	500	600	0.4	2	1.7	FWH-001A6F	FWH-001A6F
2	1000	600	1.3	3.5	3.2	FWH-002A6F	FWH-002A6F
3.15	500	600	3.1	7.7	2.9	FWH-3.15A6F	FWH-3.15A6F
4	500	600	_	_	_	FWH-004A6F	FWH-004A6F
5	500	600	15	40	2.1	FWH-005A6F	FWH-005A6F
6.3	500	_	36	90	2.3	FWH-6.30A6F	FWH-6.30A6F
7	500	_	50	125	2.5	FWH-007A6F	FWH-007A6F
10	500	_	9.9	139	2.86	FWH5-010A6F	FWH5-010A6FR
12.5	500	_	20	60	3.53	FWH5-12-5A6F	FWH5-12-5A6FR
15	500	_	44	146	3.08	FWH5-015A6F	FWH5-015A6FR
16	500	_	48	177	4.48	FWH5-016A6F	FWH5-016A6FR
20	500	_	75	259	4.26	FWH5-020A6F	FWH5-020A6FR
25	500	_	126	345	_	FWH-025A6F	FWH-025A6FR
30	500	_	145	430	_	FWH-030A6F	FWH-030A6FR

0.25-7A 300% minimum opening current at rated voltage.

10-30A 200% minimum opening current at rated voltage.

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