

Product Details and Certifications

Cross Reference RA Part Number: 1492-FB1M30-D1 B

 **Product: 1492-FB1M30-D1**

Description: 1492-FB Fuse Holder with 1 pole, 1 1/2" x 13/32" Midget Fuses,
30A and 12-72V LED Blown Fuse Indicator, Pkg. Qty. 12



Representative Photo Only (actual product may vary based on configuration sections)

FUSE HOLDER DATA

Bulletin Number	1492 Fuse Holder
Electrical Standards	UL
Fuse Class	1 1/2" x 13/32" Midget Fuses
Number of Poles	1 Pole
Maximum Current Rating	30 Amps
Blown Fuse Indicator	12-72 V LED Indicator

CERTIFICATIONS AND APPROVALS




UL

CSA

CE


For UL Certifications Directory:



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

										
Bulletin	1489-A		1489-D		1492-FB				140F	
Type	480Y/ 277V AC	240V AC	1 Pole: 125V DC	2 Pole: 250V DC	For Class CC Fuse	For Class J Fuse		For Midget Fuse	For Class CC Fuse or Midget Fuse	For IEC 10 x 38 mm Fuse
	0.5...25 A	0.5...40 A	2...40 A		30 A	30 A	60 A	30 A	30 A	32 A
Features	<ul style="list-style-type: none">• True IP2X finger-safe design (front)• 10 000 A interrupt• A positively trip-free mechanism (breaker operation cannot be defeated by holding the handle in the ON position)• Superior shock and vibration resistance capabilities• Mounts on DIN Rail• IEC 60947-2 - 0.5...40 A @ 240, 415V AC- 15 000 A interrupting• Field-mountable options• Optional terminal for ring lugs		<ul style="list-style-type: none">• True IP2X finger-safe design (front)• A positively trip-free mechanism (breaker operation cannot be defeated by holding the handle in the ON position)• Superior shock and vibration resistance capabilities• Mounts on DIN Rail• IEC 60947-2• Field-mountable options• Optional terminal for ring lugs		<ul style="list-style-type: none">• EN/IEC 60529 Front Finger Protection — Dead front construction• Handle isolates the fuse from line power when it is opened for fuse insertion or removal• Compact size requiring less panel space than open style fuse folders• Optional blown fuse indicators - allow for easy troubleshooting of electrical circuits• Type M holder - accepts 0...30 A midget fuses (1-1/2 in. x 13/32 in.)• Type C holder - accepts 0...30 A Class CC fuses• Type J 30 & 60 A holders - accepts Class J fuses• Silver-plated fuse clips• Mounts on DIN Rail, marker-ready and increased heat dissipation				<ul style="list-style-type: none">• Lockable in the open position• Compatible with Bulletin 140M accessories• Compact busbar and connectors for Bulletin 100-C and 100-K contactors• 1 N.O./1 N.C auxiliary contact— late make N.O., early break N.C.	
Certifications	UL 489 Listed (CSA C22.2 No. 5), UL File Number E197878 VDE (IEC 60 947-2)				UL 512, CSA C22.2 No. 39, CE, EN/IEC 60947-3			UR, CSA	UL 512, CSA C22.2 No. 39, CE, EN/IEC 60947-3	
Maximum Voltage Rating	480Y/277V AC		480Y/ 277V AC	UL 250V DC IEC 500V DC	600V AC/DC Type M, IEC - 690V AC				600V AC	690V AC
Shock	25 G half sine wave for 11 ms (three axes)									
Tripping Characteristic Reference Temperature	UL/CSA: 104 ° F (40 °C) IEC: 86 °F (30 °C)				NA				NA	
Tripping Characteristic	C Curve: 5...10 D Curve: 10...20		C Curve: 5...10 In		NA				NA	
Vibration	100...500 Hz for 1 hour Amplitude — 10...57 Hz; 0.030 inches peak to peak; 57...500 Hz; 5 G peak				5 G peak or 0.030 in. peak-to-peak displacement for 2 hours in each perpendicular direction. Vibration sweep 10 to 2000 to 10 Hz (15 minutes long)				—	
Operating Temperature	-13...+140 °F (-25...+55 °C), non-condensing				-4...+130 °F (-20...+55 °C)				-4...+130 °F (-20...+55 °C)	
Housing Material	Nylon				Nylon				—	
Working Voltage	—				110...600V AC/DC or 12...72V AC/DC	110...600V AC/DC		110...600V AC/DC or 12...72V AC/DC	—	
Leakage Current with Indicator LED	—				2.0 mA				—	
Wire Size	0.8...13 mm²/#18...6 AWG Cu				#16...4 AWG Cu	#14...1 AWG Cu	#10...1 AWG Cu	#16...4 AWG Cu	#16...10 AWG Cu (1...4 mm²)	
Interrupt Rating	UL/CSA: up to 14 kA		10 kA		200 kA			50 kA	200 kA - Class CC 100 kA - Midget	
	IEC: up to 15 kA				Fuse dependent			Fuse dependent		
Product Selection	Page 7-15		Page 7-31		Page 7-39				Page 7-41	

Catalog Number Explanation

Note: Examples given in this section are for reference purposes. This basic explanation should not be used for product selection; some combinations may not produce a valid catalog number.

 1492 - $\frac{\text{FB1}}{a}$ $\frac{\text{M30}}{b}$ - $\frac{\text{D1}}{c}$

<i>a</i>		<i>b</i>		<i>c</i>	
Poles		Fuse Type		With Indication	
Code	Description	Code	Description	Code	Description
 FB1	1-Pole	M30	Midget Type 30 Amp		Can be left blank
FB2	2-Pole	C30	C Class 30 Amp	L	With indication 110...600V AC/DC
FB3	3-Pole	J30	J Class 30 Amp	 D1	With indication 12...72V AC/DC
		J60	J Class 60 Amp		

Product Selection



Description		For Midget Fuse	For Class CC Fuse	For Class J Fuse	
		30 A	30 A★	30 A	60 A
		Cat. No.	Cat. No.	Cat. No.	Cat. No.
1-Pole	Fuse Block	1492-FB1M30	1492-FB1C30	1492-FB1J30	1492-FB1J60
	Fuse Block with Indication, 110...600V ‡	1492-FB1M30-L	1492-FB1C30-L	1492-FB1J30-L	1492-FB1J60-L
	Fuse Block with Indication, 12...72V	1492-FB1M30-D1	1492-FB1C30-D1	—	—
	Pieces per Carton	12	12	6	6
2-Pole	Fuse Block	1492-FB2M30	1492-FB2C30	1492-FB2J30	1492-FB2J60
	Fuse Block with Indication, 110...600V ‡	1492-FB2M30-L	1492-FB2C30-L	1492-FB2J30-L	1492-FB2J60-L
	Pieces per Carton	6	6	3	3
3-Pole	Fuse Block	1492-FB3M30	1492-FB3C30	1492-FB3J30	1492-FB3J60
	Fuse Block with Indication, 110...600V ‡	1492-FB3M30-L	1492-FB3C30-L	1492-FB3J30-L	1492-FB3J60-L
	Pieces per Carton	4	4	2	2

★ All major fuse brands and current ranges have been evaluated for this fuse holder. Due to the heat they generate, the following fuses must be derated:

Mersen ATQR 1.25 / = 0.42 A max.

Mersen ATQR 1.40 / = 0.47 A max.

‡ 690V when used in IEC applications.

Accessories

Description	Size	Pkg. Quantity	Cat. No.
Fuseholder Identification Slide-in Markers (blank marker squares slip into molded slot. 100 markers/card)	5 mm x 5 mm	5 cards	1492-MC5X5
	6 mm x 5 mm		1492-MC6X5

Specifications

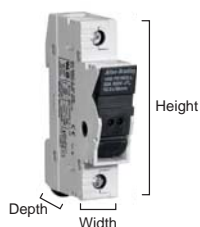


Product Type (n = number of poles)		M	CC	J30	J60
		1492-FBnM30 "B" 1492-FB1M30-D1 "B" 1492-FBnM30-L "B"	1492-FBnC30 "B" 1492-FB1C30-D1 "B" 1492-FBnC30-L "B"	1492-FBnJ30 "B" 1492-FBnJ30-L "B"	1492-FBnJ60 "B" 1492-FBnJ60-L "B"
		Midget	Class CC	Class J	
		13/32" x 1-1/2" (10 x 38 mm)			
For Fuse Type:					
Maximum voltage AC/DC		600V, 690V(IEC)	600V	600V	
Maximum current		30 A, 32 A (IEC)	30 A	30 A	60 A
Maximum current withstand (UL/CSA)		Fuse dependent 50 kA max UL	200 kA sym	200 kA sym	
Operating temperature range		-4...+130 °F, -20...+55 °C			
Conductor material		Copper, stranded			
Conductor strip length		0.43 in. (11 mm)		0.79 in. (20 mm)	
Conductor range	1 wire per terminal	#18...4 AWG (0.75...25 mm²)		#18...1 AWG (0.75...50 mm²)	#14...1 AWG (2.5...50 mm²)
	2 wires ★ per terminal	#18...8 AWG (0.75...10 mm²)		#18...6 AWG (0.75...16 mm²)	#14...6 AWG (2.5...16 mm²)
Terminal tightening torque		#18...8 AWG: 22 lb•in #6...4 AWG: 26 lb•in 0.75...25 mm²: 2.5 N•m		35 lb•in (4 N•m)	

★ Both wires must be same size

Approximate Dimensions

Note: Dimensions are shown in inches (mm). Dimensions are not intended for manufacturing purposes.



Dimension		For Midget Fuse 30 A	For Class CC Fuse 30 A	For Class J Fuse	
		30 A	30 A	30 A	60 A
Height		3.19 in. (81 mm)	3.19 in. (81 mm)	4.65 in. (118 mm)	4.65 in. (118 mm)
Depth		2.51 in. (64 mm)	2.51 in. (64 mm)	2.76 in. (70 mm)	3.23 in. (82 mm)
Width	1-Pole	0.71 in. (18 mm)	0.71 in. (18 mm)	1.41 in. (36 mm)	1.57 in. (40 mm)
	2-Pole	1.41 in. (36 mm)	1.41 in. (36 mm)	2.83 in. (72 mm)	3.15 in. (80 mm)
	3-Pole	2.13 in. (54 mm)	2.13 in. (54 mm)	4.25 in. (108 mm)	4.72 in. (120 mm)