Edison Modular Fuse Holders

Features

- EHCC Series: High SCCR rated, UL Listed CC holder with indicator option for 600VAC/DC
- EHM Series: UL Recognized midget holders
- Minimum 90VAC/DC required for illumination
- Rated for use with 75°C or 90°C wire, fine stranded wire, spade terminals and comb-bus bars. Use any higher temperature rated wire with appropriate derating.
- Complete range of UL Listed and high SCCR rated 1-phase and 3-phase finger-safe comb-bus bars and power feed lugs
- Polyester material is UL 94V0 rated, self extinguishing
- Multi-phase connections available for ganging up to 4 poles*
- Mounts on 35 mm DIN rail
- IP20 rated
- Spade terminals are accepted (Max width-10mm, Min ID of slot 4mm Max ID of slot 5mm)
- Wire ferrules may not be used.

Application

- EHM: Edison MCL, MOL, MEQ, MEN, or midget fuses
- EHCC: Edison HCLR, HCTR, EDCC fuses, or class CC fuses

Agency Approvals/Standards Class CC

- UL File E300536 Guide IZLT Listed
- CSA File 47235, Class 6225-01
- CE Compliant
- RoHS, Reach

Agency Approvals/Standards Midget

- UL File E300536 IZLT2 Recognized
- CSA File 47235, Class 6225-30
- IEC 60269-2
- CE Compliant
- RoHS, Reach

Modular Fuse Holder Selection Table

Series Size	Max Voltage & Current	IEC	UL	Phase Configuration	Fuse Holder Without Indication	Box Qty.	Pkg. Wt. (lb.)	Price	Fuse Holder with NEON Indication	Product Weight (lb.)	Box Qty.	Price
EHM Midget Class	UL 600V/30A IEC 690V/32A	•	•	1 pole	EHM1DU	1	0.12	<--->	EHM1DIU	0.12	1	<--->
					EHM1DU-12	12	1.42	<--->	EHM1DIU-12	1.42	12	<--->
		•	•	2 pole	EHM2DU	1	0.24	<--->	EHM2DIU	0.24	1	<--->
					EHM2DU-6	6	1.42	<--->	EHM2DIU-6	1.42	6	<--->
		•	•	3 pole	EHM3DU	1	0..36	<--->	EHM3DIU	0.36	1	<--->
					EHM3DU-4	4	1.42	<--->	EHM3DIU-4	1.42	4	<--->
EHCC Class CC	UL 600V/30A		••	1 pole	EHCC1DU	1	0.12	<--->	EHCC1DIU	0.12	1	<--->
					EHCC1DU-12	12	1.42	<--->	EHCC1DIU-12	1.42	12	<--->
			••	2 pole	EHCC2DU	1	0.24	<--->	EHCC2DIU	0.24	1	<--->
					EHCC2DU-6	6	1.42	<--->	EHCC2DIU-6	1.42	6	<--->
			••	3 pole	EHCC3DU	1	0.36	<--->	EHCC3DIU	0.36	1	<--->
					EHCC3DU-4	4	1.42	<--->	EHCC3DIU-4	1.42	4	<--->

** To add additional poles, see multi-pole connection kit JV-L in accessories. One JV-L kit is sufficient to gang up to 4 poles.*
• UL Recognized, CSA
•• UL Listed, CSA

Edison Fuse Holders Specifications

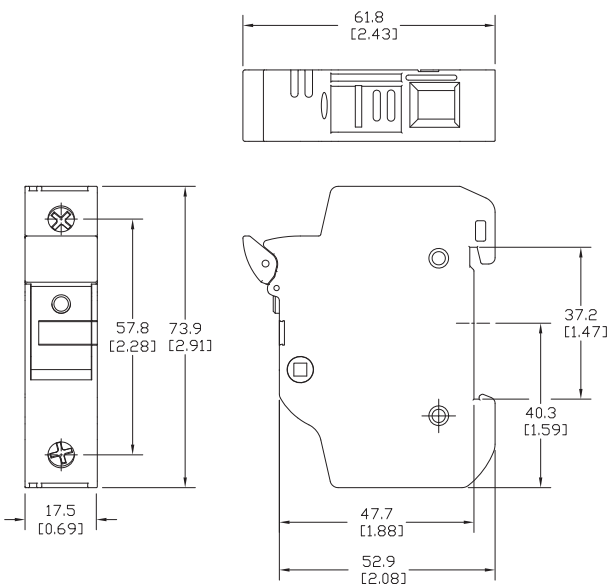
Modular Fuse Holder Specifications										
Part Number w/o Indication	Part Number w/ Indication	Holder Size	Max Voltage & Current	Number of poles	Wire Range	Maximum Torque	Operating Temperature	SCCR Rating	Terminal Rating	Flammability Rating
EHM1DU	EHM1DIU	EHM Midget Class and 10x38	UL/CSA 600V/30A IEC 690V/32A	1	18-4 AWG (0.8-21 mm²)	30 lb-in (3.4 N•m) maximum	-20˚C to +90˚C -4˚F to 194˚F (indicating) -20˚C to +120˚C -4˚F to 248˚F (non-indicating)	100kA rms sym	Solid, Stranded, Fine stranded, Spade lug, Comb-bus bar; Single and dual wire; 75˚C and 90˚C Cu wire	UL 94V0 self-extinguishing
EHM1DU-12	EHM1DIU-12									
EHM2DU	EHM2DIU			2						
EHM2DU-6	EHM2DIU-6									
EHM3DU	EHM3DIU			3						
EHM3DU-4	EHM3DIU-4									
EHCC1DU	EHCC1DIU	EHCC Class CC	UL/CSA 600V/30A	1				200kA rms sym		
EHCC1DU-12	EHCC1DIU-12									
EHCC2DU	EHCC2DIU			2						
EHCC2DU-6	EHCC2DIU-6									
EHCC3DU	EHCC3DIU			3						
EHCC3DU-4	EHCC3DIU-4									

CHCC and EHM Wire Range, Type and Torque			
Wire Range	Conductor Type	Number of Conductors	Torque
18-14 AWG (0.8-2.0 mm²)	Solid, Stranded	Single	20 lb-in (2.3 N•m)
18-16 AWG (0.8-1.3 mm²)		Dual	25 lb-in (2.8 N•m)
14-10 AWG (2.0-5.2 mm²)			30 lb-in (3.4 N•m)
12-10 AWG (3.3-5.2 mm²)		Single	
8-4 AWG (8.3-21.1 mm²)	Stranded, Fine Stranded		
18-14 AWG (0.8-2.0 mm²)	Spade Terminal		
N/A	Comb Bus		

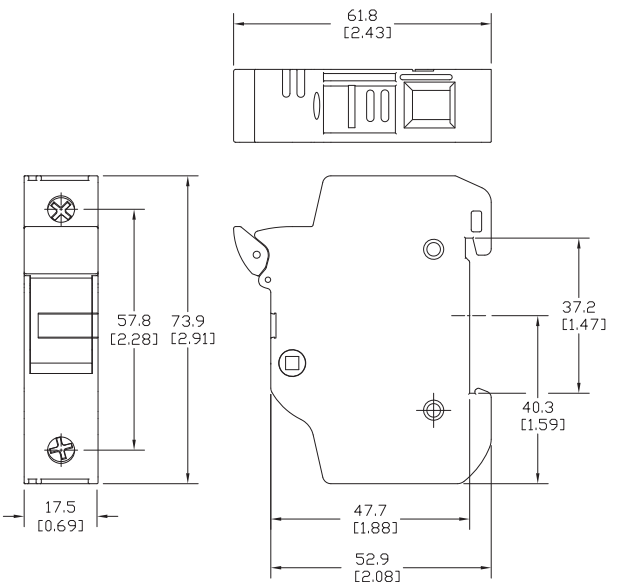
Fuse Holder Dimensions

mm [inches]

EHM Midget Class



EHCC Class CC



UL489 or UL1077?
What are your Circuit Protection Requirements?

An understanding of circuit types and circuit protection products is critical to ensure their proper application.
See NEC Sections 100, 430 and 409 for definitions.

The proper sizing of an overcurrent protection device is the responsibility of the customer and should be determined using the application standards of the NEC (National Electric Code), CEC (Canadian Electrical Code) or other applicable standards. Per fine print note of 2008 NEC Section 100 "A current in excess of rating may be accommodated by certain equipment and conductors for a given set of conditions. Therefore, the rules for overcurrent protection are specific for particular situations."

UL489
Branch Protection

UL1077
Supplementary Protection

What You Need to Know and Look For In Specifications
Certifications – Standards – Acceptance

UL489 Branch Protection	UL1077 Supplementary Protection
• UL489 Listed or Recognized • CSA C22.2 No. 5 • International ratings available depending on breaker type	• UL Recognized under UL1077 • CSA 22.2 No. 285 • IEC 60947-2 or IEC 898
Function	
• Opens automatically on Overload and Short Circuit when properly applied within its ratings • Protects wire and cable against Overload and Short Circuit	• Opens automatically on Overload and Short Circuit • Provides additional equipment protection where branch circuit protection is already provided or not required • Not suitable for the protection of branch circuit conductors
Applications	
• Branch circuit protection in control panels, panelboards, switchboards and motor control centers • Motor overload and motor short circuit protection (UL489 Recognized motor circuit protectors) for control panels and motor control centers	• Used within appliances or other electrical equipment such as control circuits, control power transformers, relays, PLC I/O points and lighting circuits • Ideal replacement for fuses that are applied as supplementary protection
Features	
• Bolted down or DIN-rail mounted • External handle mechanisms available • Field mounted accessories • Stand alone branch circuit protection • Various levels of protection (curve type) • High voltage and interruption levels (up to 100 kAIC @ 480V)	• DIN-Rail mounted • Field mounted accessories • Current limiting • Various levels of protection (curve type) • 10 kAIC @ 240 VAC • 6 kAIC @ 277 VAC and 5 kAIC @ 480 VAC • 10 kAIC @ 65 VDC

kAIC = thousands of Amps interrupt capacity

Summary

A Supplementary Protector can't Be used for Branch Circuit Protection.
Understanding the difference between Branch Circuit Protection and Supplementary Protection helps to ensure their proper use.