

# Global Modular Fuse Holders

## CH Series - 8x32, 10x38, 14x51, 22x58, Class CC

### Specifications

**Description:** The 'CH' line of modular fuse holders accommodates many fuses from around the world, including North American Class-CC, Midget, Class gR, aR HSF, and IEC Industrial Ferrule (Class gG and aM) in four physical sizes: 8x32, 10x38, 14x51 and 22x58mm.



### Agency Information:

UL File E14853  
Guide IZLT Listed, IZLT2 Recognized  
CSA: File 47235, CHPV and CHM - Class 6225-30,  
CHCC - Class 6225-01

### Ratings:

600V/30A (UL)  
690V/32A (IEC)

### Wire Range:

#18 to #4 (0.8mm<sup>2</sup> to 21.1mm<sup>2</sup>)

### Torque Ratings:

30 Lb-In (3.4 N•m) maximum

### Flammability Ratings:

UL 94V0, self-extinguishing

### Storage & Operating Temperature Range:

-20°C to +90°C (indicating)  
-20°C to +120°C (non-indicating)

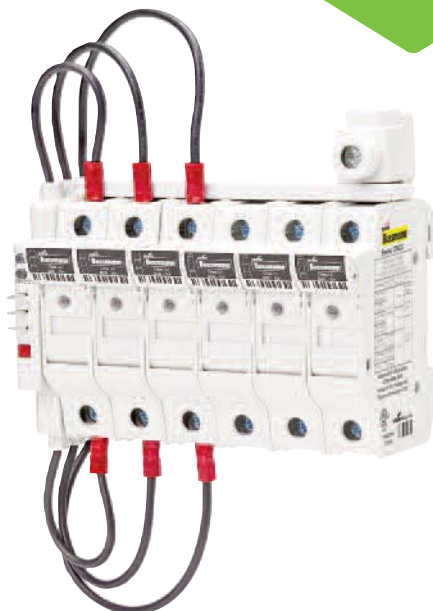
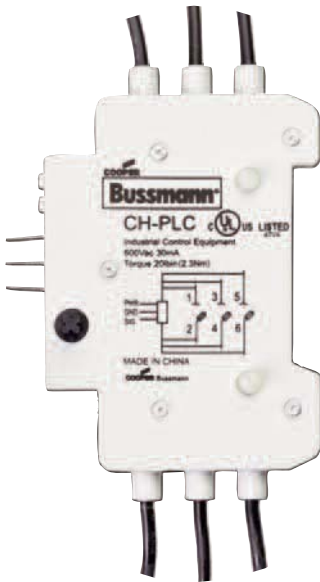
### Features/Benefits

- High SCCR rated, UL Listed Class CC holder with indicator option for 600Vac/dc and 48Vdc.
- UL Recognized midget and 10 x 38 holders with factory assembled neutral pole option.
- Agency ratings up to 1000Vdc for use with solar PV fuses.
- Available remote PLC indication with the CH-PLC module.
- Terminals 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.

Series & Size	Catalog Number		Voltage & Current	Agency Markings	Number of Poles	Terminal Rating	SCCR Rating	Cooper Bussmann Fuses
	With Indicator	Without Indicator						
CHM 10x38 and Midget	CHM1DIU	CHM1DU	UL 600V/30A; IEC 690V/32A	cURus; IEC 60269-2	1	Solid, Stranded, Fine Stranded, Spade Lug, Comb Bus Bar; Single and Dual Wire; 75°C and 90°C Cu wire	100kA rms sym	FNQ, KLM, FNM, KTK, BAF, FWA, DCM, C10 SERIES, AGU, BAN, FWC
	CHM2DIU	CHM2DU			2			
	CHM3DIU	CHM3DU			3			
	CHM4DIU	CHM4DU			4			
	CHM1DNIU	CHM1DNU	60269-2	1 pole + 1 neutral				
	CHM3DNIU	CHM3DNU		3 poles + 1 neutral				
	CHM1DI-48U		UL 48Vdc/30A; IEC 48Vdc/32A		1			
	CHM1DNXU	IEC 690V/32A	IEC60269-2	1 neutral	n/a	n/a		
CHPV	CHPV1IU	CHPV1U	UL & IEC; 1000Vdc/30A	UR, CSA, UL4248-18, IEC60269-1	1	33kA rms sym	Solar PV series	
	CHPV2IU	CHPV2U			2			
CHCC Class CC	CHCC1DIU	CHCC1DU	UL 600V/30A	cULus	1	200kA rms sym	LP-CC, FNQ-R, KTK-R	
	CHCC2DIU	CHCC2DU			2			
	CHCC3DIU	CHCC3DU			3			
		CHCC1DI-48U	UL 48Vdc/30A		1			

## Global Modular Fuse Holders - Remote Fuse Monitoring Accessory CH-PLC

**Make it Simple with Bussmann resettable three-phase remote fuse monitor that integrates with a Programmable Logic Controller (PLC) or other monitoring and control equipment.**



### Specifications:

- **Power Input:** 24Vdc / 5mA
- **Sensing Voltage:** 600V/30mA
- **Output Signals:** Digital 0Vdc (Low), 24Vdc (High)
  - 0Vdc Low – Fuse is good
  - 24Vdc High – Fuse has opened
 When the fuse opens, the output signal is sent high and will remain high until the unit is reset
- **Rated Impulse Voltage:** 8kV
- **Local Indication:** Two distinct LEDs indicate unit power (green) and open fuse (red). Upon the replacement of the fuse, the actuation of the reset switch will reset the open fuse LED
- **Flammability Rating:** UL 94V0

### Wiring:

- For power, signal and ground connections use 22-24AWG (0.25mm<sup>2</sup>) 300V rated wire

### Emissions and Immunity Testing:

- Electrostatic Discharge IEC 61000-4-2
- Electrical Fast Transient/Burst IEC 6100-4-4
- Surge Immunity IEC61000-4-5

### Packaging:

- The CH-PLC is packaged individually
- A single unit monitors up to three phases
- Package includes 0.11" (2.8mm) quick connects for power, signal and ground connections

### Minimum Circuit Voltage:

- Minimum circuit voltage required across the CH holder is 100Vac for the remote indication device to operate

### Installation Technique:

- Mounts on the left side of the fuse holder and mechanically interlocks with the fuse holder switch handle with hardware provided

### IP20 Rating: Yes

### Environmental Data:

- Storage and Operating Temperature: -20°C to 75°C

### Agency Information:

- UL 508
- cULus to CSA Standard 22.2 No.14

### PLC Programming:

- The CH-PLC signal line is designed to provide a digital input to a PLC I/O card.
- Programmable Logic Control program must be written to properly interpret the input signal to the PLC.
- The PLC program should check for consecutive high signals before taking action on a critical process.

**De-energize all circuits before installing or removing any CH-PLC devices and follow all prescribed safety procedures.**

For additional information see reorder #3185

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\* Not listed in this catalog. Call Cooper Bussmann Customer Satisfaction for more information. Toll-free phone: 855-287-7626 (855-BUSSMANN)