

# CH Modular, IP20 finger-safe DIN-Rail holders for Class CC, midget and PV fuses



## Specifications:

### Ratings

- Volts
  - 600 V (or less) UL
  - 690 V (or less) IEC
  - 1000 Vdc (or less) photovoltaic (PV)
- Amps
  - 30 A UL
  - 32 A IEC
- Short-Circuit Current Rating (SCCR)
  - 33 kA photovoltaic
  - 200 kA RMS Sym. (CHCC, CHM\*)

\* CHM SCCR is fuse interrupting rating dependent.

### Agency information

- UL Listed File E14853, Guide IZLT, Recognized IZLT2
- UL Listed to E348242 and Guide IZMR (CHPV)
- CSA® File 47235, CHPV and CHM - Class 6225-30, CHCC - Class 6225-01
- IEC 60269-2 (CHM, CHPV)
- CCC
- RoHS compliant

### Mounting

- 35mm DIN-Rail

### Wire range

- 75°C and 90°C Cu
- #18 to #4 (0.8mm<sup>2</sup> to 21.1mm<sup>2</sup>)
  - Solid
  - Stranded
  - Fine stranded

### Terminals

- Single or dual conductors
- Comb busbar
- Torque 30 Lb-In (3.4 N•m) maximum

### Flammability

- UL 94V0, self-extinguishing

### Storage and operating temperature

- -4°F (-20°C) to 194°F (90°C) indicating
- -4°F (-20°C) to 248°F (120°C) non-indicating

## Catalog symbol:

- CHCC\_ (Class CC)
- CHM\_ (UL® midget/IEC 10x38)
- CHPV\_ (13/32 x 1-1/2 and 10x38 photovoltaic)

## Description:

Eaton's Bussmann™ series CH DIN-Rail fuse holders are for UL Class CC and midget fuses, and IEC 10x38 fuses. They are available with and without indication in 1-, 2- and 3-pole IP20 finger-safe versions. A variety of accessories extends their application flexibility and they may be ganged together to meet specific application requirements.

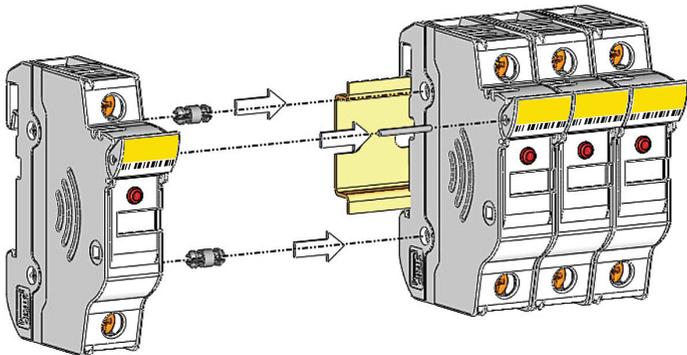
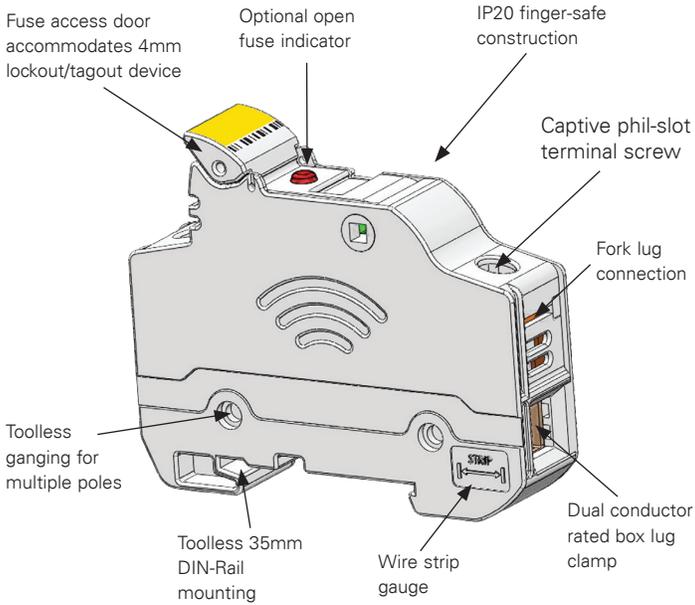
For other Bussmann series CH fuse holders, please see the following data sheets.

Fuse class	Fuse size	Data sheet No.
Class J	30 and 60A	2141
	8x32mm	720147
IEC	14x51mm	10080
	22x58mm	10015

**Features and benefits:**

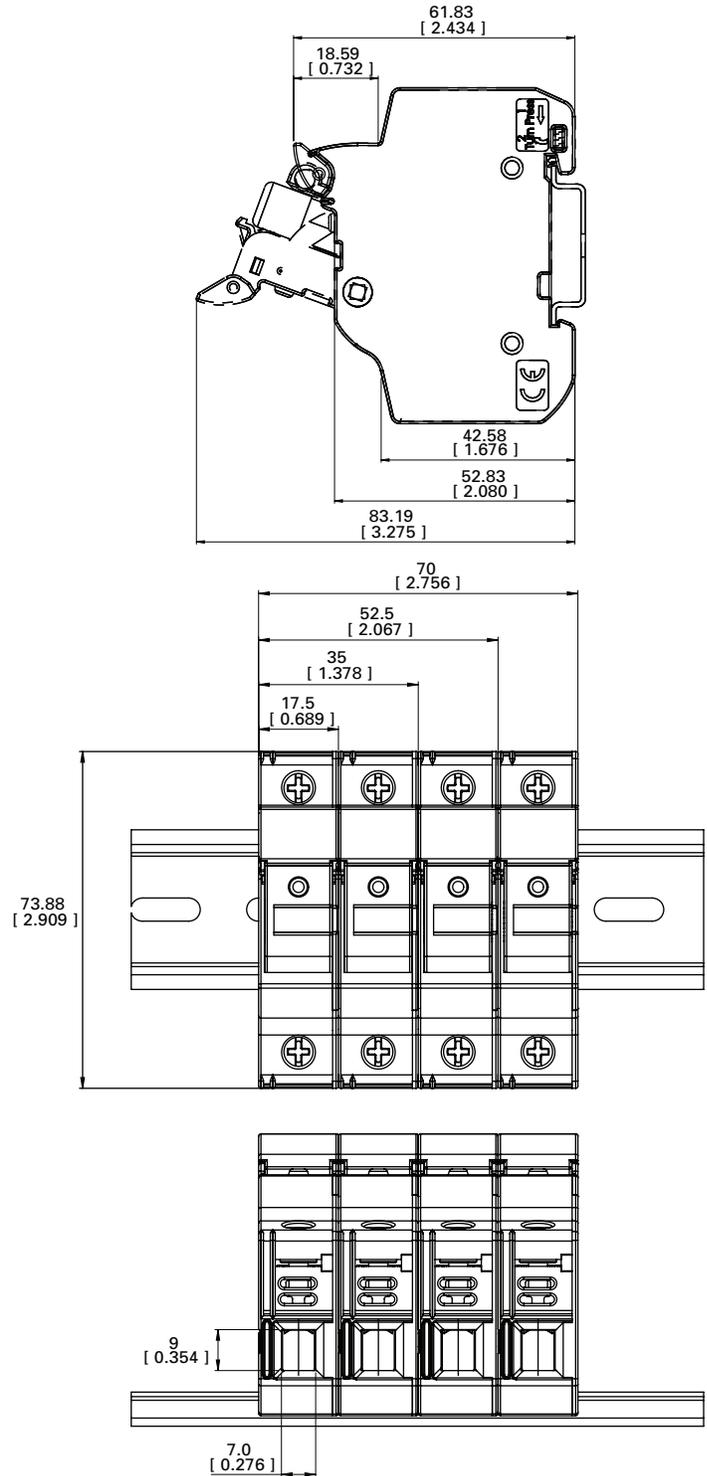
- High SCCR rated, UL Listed Class CC holder with optional open fuse indication for 600 Vac/dc and 48V dc (see catalog number table for details).
- Enhanced safety with IP20 finger-safe construction.
- UL Recognized midget and IEC 10x38 holders with factory assembled neutral pole option.
- Agency ratings up to 1000 Vdc for use with PV fuses.
- Available remote PLC indication module.
- Wiring flexibility with terminals rated for use with 75°C or 90°C solid, stranded and fine stranded wire, and spade terminals and comb-bus bars. (Use any higher temperature insulations at the 90°C ampacity.)
- Complete range of UL Listed and high SCCR rated one- and three-phase finger-safe comb-bus bars and power feed lugs.

**Features:**



Gang multiple poles to meet application requirements using kit catalog number JV-L (gangs up to four poles).

**Dimensions - mm (in):**





### UL midget and IEC 10x38 CHM holder catalog numbers

Catalog number		Volts and amps		Agency marks	Poles	SCCR	Recommended Bussmann series fuses
With indication*	Without indication	UL	IEC				
CHM1DIU	CHM1DU	600 V/30 A	690 V/32 A	UR, CSA, IEC 60269-2, CCC	1	200 kA** RMS Sym.	BAF, BAN, FNM, FNO, FWA, FWC, KLM, KTK, AGU, C10G_, C10M_
CHM2DIU	CHM2DU				2		
CHM3DIU	CHM3DU				3		
CHM4DIU	CHM4DU				4		
CHM1DNIU	CHM1DNU				1 + neutral		
CHM3DNIU	CHM3DNU	3 + neutral					
CHM1DI-48U	—	48 Vdc/30 A	48 Vdc/32 A	UR, CSA, IEC 60269-2, CCC	1		
—	CHM1DNXU	—	690V/32 A	IEC 60269-2		N/A	N/A
CHM1DCIU	CHM1DCU	600 Vac, 1000 Vdc, 30 A	690 V, 32 A	UR, CSA, IEC 60269-2	1	200 kA** RMS Sym., 33 kA DC	600/690V BAF, BAN, FNM, FNO, FWA, FWC, KLM, KTK, AGU, C10G_, C10M_, 1000Vdc PV-(amp)A10F, PV10M-(amp)
CHM2DCIU	CHM2DCU				2		
CHM3DCIU	CHM3DCU				3		
CHM4DCIU	CHM4DCU				4		

\* All models require 90V minimum for illumination, except CHM1DI-48U that requires 15V minimum.  
\*\* SCCR is limited to the interrupting rating of the installed fuse or 200kA, which ever is less.



### UL Class CC CHCC holder catalog numbers

Catalog number		Volts / amps	Agency marks	Poles	SCCR	Recommended Bussmann series fuses
With indication*	Without indication					
CHCC1DIU	CHCC1DU	600 V/30 A	UL, CSA, CCC	1	200 kA RMS Sym.	LP-CC, FNO-R, KTK-R
CHCC2DIU	CHCC2DU			2		
CHCC3DIU	CHCC3DU			3		
CHCC1DI-48U	—	48 Vdc/30 A		1	33 kA DC	

\* All models require 90V minimum for illumination, except CHCC1DI-48U that requires 15V minimum.



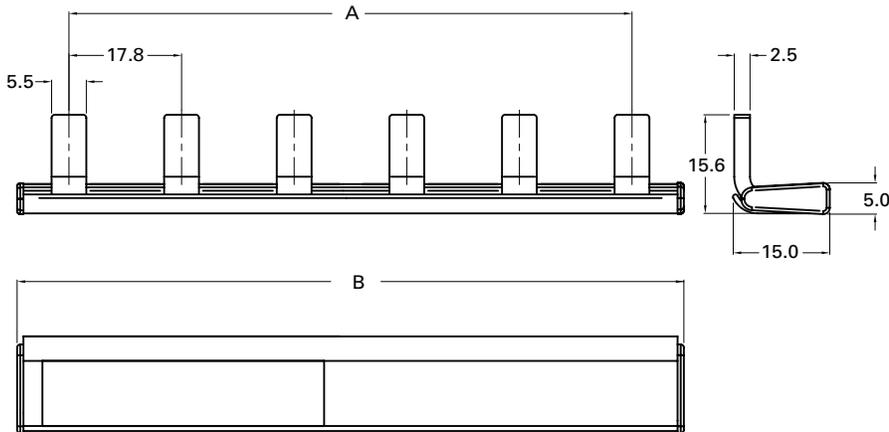
### UL and IEC photovoltaic CHPV holder catalog numbers

Catalog number		Volts / amps	Agency marks	Poles	SCCR	Recommended Bussmann series fuses
With indication	Without indication					
CHPV1IU	CHPV1U	1000 Vdc/30 A	UL, CSA, UL 4248-18, IEC 60269-1, CCC	1	33 kA DC	PV-(amp)A10F, PV10M-(amp)
CHPV2IU	CHPV2U			2		

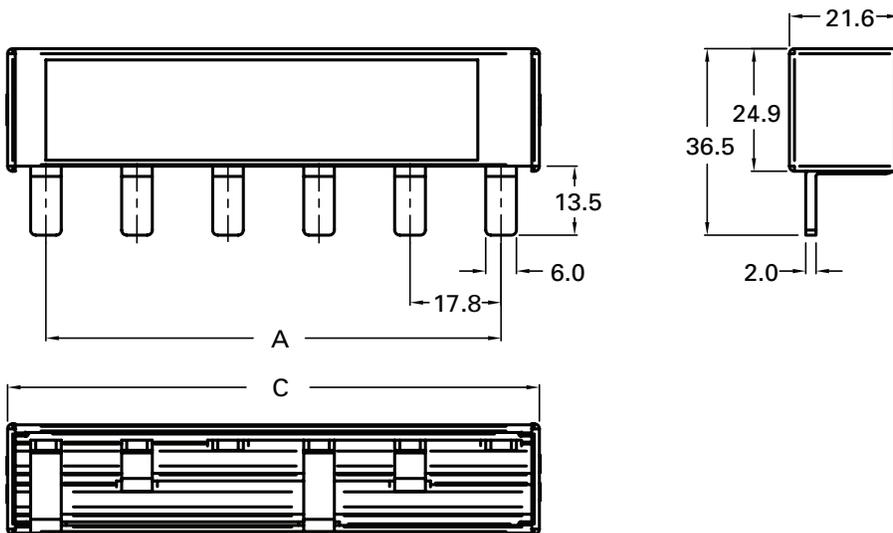
\* All models require 90V minimum for illumination.

**Comb busbar dimensions - mm:**

**Single-phase**



**Three-phase**



**Single- and three-phase dimensions - mm**

Poles	A	B	C
3	35.6	52	—
6	89.0	106	104
9	142.4	160	159
12	195.8	208	214
15	249.2	272	266
57	996.8	1012	1009

All 15-pole or fewer comb busbars come with endcaps installed. If a comb busbar will be cut-to-length, order additional endcaps to maintain electrical protection.

End caps are sold in carton quantities of 50. Order ECAP1P for single-phase and ECAPMP for three phase.

**Comb busbar catalog numbers:**

Catalog number	Phase	Voltage	Amps	Number of pins	Endcaps	
BB1P100M3	Single-phase	1000 Vdc	100 A	3	With endcaps assembled. If cut to length, order additional endcaps separately.	
BB1P100M6				6		
BB1P100M9				9		
BB1P100M12				12		
BB1P100M15				15		
BB1P100M57				57 pin cuttable		Without endcaps (order separately)
BB3P100M6	Three-phase	600 V	100 A	6	With endcaps assembled. If cut to length, order additional endcaps separately.	
BB3P100M9				9		
BB3P100M12				12		
BB3P100M15				15		
BB3P100M57				57 pin cuttable		Without endcaps (order separately)