

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

Bussmann series CH DIN-Rail fuse holders are for UL Class CC and midget fuses, and IEC 10x38mm 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.



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
- SCCR
 - 33 kA photovoltaic
 - 200 kA RMS Sym. (CHCC, CHM*)

* CHM SCCR is fuse interrupting rating dependent.

Agency information

- CHCC, CHM; UL Listed Guide IZLT, Recognized Guide IZLT2, File E14853
- CHPV, UL Listed to 4248-19, Guide IZMR, File E348242
- CSA File 47235, CHPV and CHM - Class 6225-30, CHCC - Class 6225-01
- IEC 60269-2 (CHM, CHPV)
- CCC
- RoHS compliant
- CE

Mounting: 35mm DIN-Rail

Wire range

- 75°C and 90°C Cu
- 18-4 AWG (0.8-21.1mm²)
- Solid, stranded and fine stranded*

* See data sheet 10430 for application details.

Terminals

- Single or dual conductors
- Comb busbar
- Terminal screws
 - Standard phil-slot
 - Optional hex head (order by adding "-H" suffix to the catalog number, e.g., CHM1DU-H)

Torque

- 30 lb-in (3.4 N•m) maximum

Data sheet no. 10430

Flammability

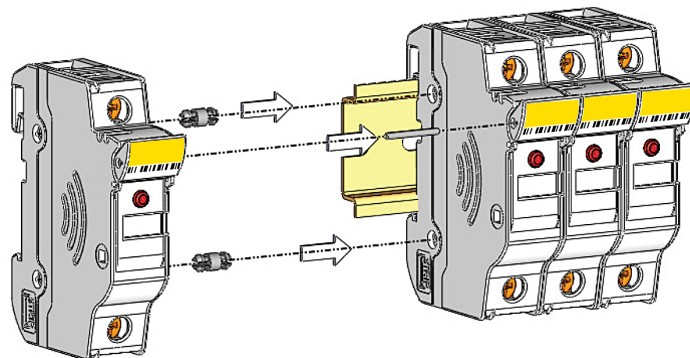
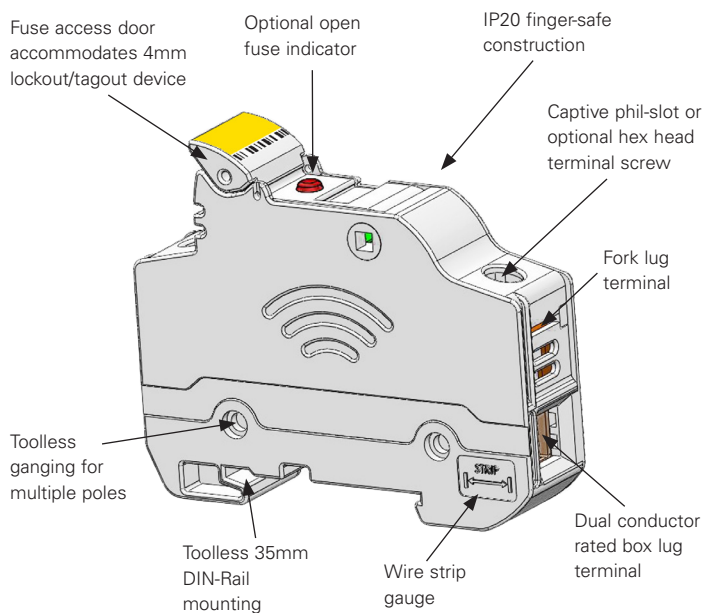
- UL 94V0, self-extinguishing

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

Features

- High SCCR rated, UL Listed Class CC holder with optional open fuse indication for 600 V and 48 Vdc (see catalog number table for details)
- Enhanced safety with IP20 finger-safe construction
- UL Recognized midget and IEC 10x38mm holders with factory assembled neutral pole option
- Agency ratings up to 1000 Vdc for use with PV fuses.
- Available remote PLC fuse indication module
- Wiring flexibility with terminals rated for use with 75°C or 90°C solid, stranded and fine stranded wire, and fork terminals and comb busbars. (Use any higher temperature insulations at the 90°C ampacity with appropriate derating.)
- Complete range of UL Listed and high SCCR rated one- and three-phase finger-safe comb busbars and power feed lugs
- Optional hex head terminal screw makes it easier to achieve necessary torque values



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

UL midget and IEC 10x38



Catalog no.†		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			IEC 60269-2	1 + neutral		
CHM3DNIU	CHM3DNU				3 + neutral		
CHM1DI-48U	—	48 Vdc/ 30 A	48 Vdc/ 32 A	UR, CSA, IEC 60269-2, CCC	1	N/A	N/A
—	CHM1DNXU	—	690 V/ 32 A	IEC 60269-2			
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	600/690 V BAF, BAN, FNM, FNO, FWA, FWC, KLM, KTK, AGU, C10G_, C10M_, 1000 Vdc PV-(amp)A10F, PV10M-(amp)
CHM2DCIU	CHM2DCU				2		
CHM3DCIU	CHM3DCU				3		
CHM4DCIU	CHM4DCU				4		

UL Class CC



Catalog no. †		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-Q-R, KTK-R
CHCC2DIU	CHCC2DU			2		
CHCC3DIU	CHCC3DU			3		
CHCC1DI-48U	—	48 Vdc/30 A		1	33 kA DC	

UL and IEC photovoltaic



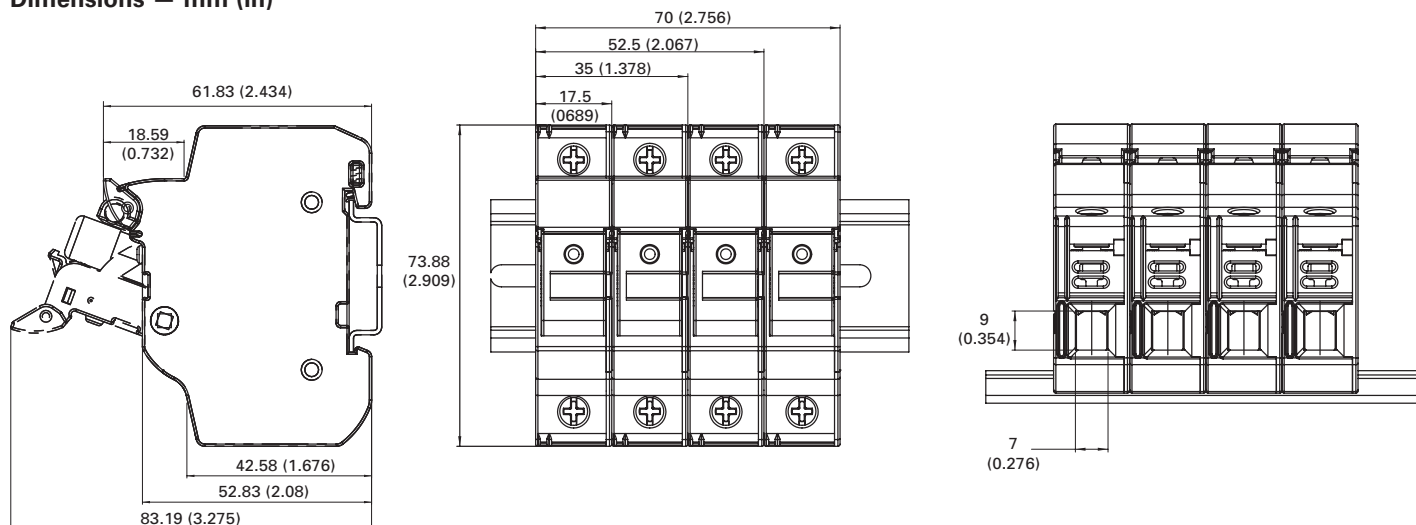
Catalog no. †		Volts / amps	Agency marks	Poles	SCCR	Recommended Bussmann series fuses
With indication*	Without indication					
CHPV1IU	CHPV1U	1000 Vdc/30 A	UL, CSA, , UL 4248-18, IEC 60269-1, CCC	1	33 kA DC	PV-(amp)A10F, PV10M-(amp)
CHPV2IU	CHPV2U			2		

† Available with optional hex head terminal screws. To order, add “-H” suffix to the desired catalog number.

††SCCR is limited to the interrupting rating of the installed fuse or 200 kA, which ever is less.

* All models require 90 V minimum for illumination, except CHM1DI-48U that requires 15 V minimum.

Dimensions — mm (in)



Fuse blocks and holders