

## 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. RoHS compliant. CE, CCC.

### 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 and 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 10 x 38 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.

Symbol and size	Catalog numbers		Voltage and current	Agency markings	Number of poles	Terminal rating	Withstand rating	Bussmann series fuses
	With indicator	Without indicator						
CHM 10X38 and Midget	CHM1DIU	CHM1DU	UL	UR; IEC	1	Solid, stranded, fine stranded, spade lug, comb bus bar; single and dual wire; 75°C and 90°C Cu wire	200kA* RMS Sym	FNQ, KLM, FNM, KTK, BAF, FWA, PVM, C10, AGU, BAN, FWC
	CHM2DIU	CHM2DU	600V/30A;	60269-2;	2			
	CHM3DIU	CHM3DU	IEC	CSA; CCC;	3			
	CHM4DIU	CHM4DU	690V/32A	CE	4			
	CHM1DCIU	CHM1DCU	UL	UR; IEC	1			
	CHM2DCIU	CHM2DCU	600Vac/30A	60269-2	2			
	CHM3DCIU	CHM3DCU	1000Vdc/30A	CSA; CE	3			
	CHM4DCIU	CHM4DCU	IEC		4			
	CHM1DNIU	CHM1DNU	UL	IEC	1 pole + 1 Neutral			
	CHM3DNIU	CHM3DNU	600V/30A;	60269-2;	3 pole + 1 neutral			
		IEC	CE					
	CHM1DI-48U		UL 48Vdc/30A;	UR; IEC	1			
			IEC	60269-2;				
			48Vdc/32A	CSA; CCC; CE				
		CHM1DNXU	IEC 690V/32A	IEC 60269-2; CE	1 neutral		N/A	N/A
CHPV	CHPV1IU	CHPV1U	UL and	UL; CSA; CE	1		33kA	PV, PVM Solar PV
	CHPV2IU	CHPV2U	IEC;	UL 4248-18;	2			
			1000Vdc/30A	IEC 60269-1; CCC				
CHCC Class CC	CHCC1DIU	CHCC1DU	UL 600V/30A	UL; CSA; CCC; CE	1		200kA rms sym	LP-CC, FNQ-R, KTK-R
	CHCC2DIU	CHCC2DU			2			
	CHCC3DIU	CHCC3DU			3			
	CHCC1DI-48U				1			
			UL 48Vdc/30A					

\*Actual SCCR dependent on fuse rating.



Catalog numbers									
Without indication	With* indication	Size	Max voltage and Current	IEC	UL	Phase configuration	No. of 17.5mm modules	Wire range	Maximum torque
CH081D	CH081DI	CH08 8x32	IEC 400Vac 25A	•		1-pole	1	1-16mm <sup>2</sup> (18-8 AWG)	2.5 N•m (22LB-In)
CH081DNX	-			•		1 Neutral Pole	1		
CH081DNS	CH081DNSI			•		1-pole + Neutral	1	1-10mm <sup>2</sup> (18-8 AWG)	2.0 N•m (17.5LB-In)
CH081DN	CH081DNI			•		1-pole + Neutral	2	1-16mm <sup>2</sup> (18-8 AWG)	2.5 N•m (22LB-In)
CH082D	CH082DI			•		2-pole	2		
CH083D	CH083DI			•		3-pole	3		
CH083DNS	CH083DNSI			•		3-pole + Neutral	3		
CH083DN	CH083DNI			•		3-pole + Neutral	4		
CH084D	CH084DI			•		4-pole	4		
CHM1DU	CHM1DIU			CHM 10X38 and Midget	UL 600V/30A; IEC 690V/32A UL 600Vav/30A 1000Vdc/30A IEC 690V/32A UL 600V/30A; IEC 690V/32A UL 48Vdc/30A; IEC 48Vdc/32A IEC 690V/32A	•	*	1-pole	1
CHM2DU	CHM2DIU	•	*			2-pole	2		
CHM3DU	CHM3DIU	•	*			3-pole	3		
CHM4DU	CHM4DIU	•	*			4-pole	4		
CHM1DCIU	CHM1DCU	•	*			1-pole	1		
CHM2DCIU	CHM2DCU	•	*			2-pole	2		
CHM3DCIU	CHM3DCU	•	*			3-pole	3		
CHM4DCIU	CHM4DCU	•	*			4-pole	4		
CHM1DNU	CHM1DNIU	•	*			1-pole + Neutral	2		
CHM3DNU	CHM3DNIU	•	*			3-pole + Neutral	4		
-	CHM1DI-48U			•	*	1-pole	1		
CHM1DNXU	-			•		1-pole + Neutral	2		
CHPV1U	CHPV1IU	CHPV	UL & IEC; 1000Vdc/30A	•	†††	1-pole	1	1-21mm <sup>2</sup> (18-4 AWG)	3.4 N•m (30LB-In)
CHPV2U	CHPV2IU			•	†††	2-pole	2		
CHCC1DU	CHCC1DIU	CHCC Class CC	UL 600V/30A		**	1-pole	1		
CHCC2DU	CHCC2DIU				**	2-pole	2		
CHCC3DU	CHCC3DIU				**	3-pole	3		
-	CHCC1DI-48U				**	1-pole	1		
CH141B	CH141BI	CH14 14x51	UL 600Vac/dc 40A (5 Watt) IEC 690Vac, 50A	•		1-pole	1.5	2.5-16mm <sup>2</sup> (14-6 AWG)	3.0 N•m (26LB-In)
CH141BMS	-			•		1-pole + Microswitch	1.5		
CH141BNX	-			•		1 Neutral Pole	1.5		
CH141BN	CH141BNI			•		1-pole + Neutral	3		
CH142B	CH142BI			•	†	2-pole	3		
CH143B	CH143BI			•	†	3-pole	4.5		
CH143BMS	-			•		3-pole + Microswitch	4.5		
CH143BN	CH143BNI			•		3-pole + Neutral	6		
CH143BNMS	-			•		3-pole + Neutral + Microswitch	6		
CH144B	CH144BI			•		4-pole	6		
CH221B	Not Available	CH22 22x58	UL 600Vac/dc, 100A (9.5 Watt) IEC 690Vac, 125A	•	†	1-pole	2	2.5-50mm <sup>2</sup> (14-1 AWG)	4.0 N•m (35LB-In)
CH221BMS	Available with local neon indication (remote microswitch only)			•		1-pole + Microswitch	2		
CH221BNX				•		1 Neutral Pole	2		
CH221BN				•		1-pole + Neutral	4		
CH222B				•		2-pole	4		
CH223B				•	†	3-pole	6		
CH223BMS				•		3-pole + Microswitch	6		
CH223BN				•	†	3-pole + Neutral	8		
CH223BNMS				•		3-pole + Neutral + Microswitch	8		
CH224B				•		4-pole	8		
<b>Class J</b>	<b>With indication*</b>								
Without indication	With indication*								
CH30J1	CH30J1I	CH30J	UL/CSA		††	1-pole	—	1-50mm <sup>2</sup> (18-1 AWG)	1-8 AWG 4.0 N•m (35LB-In)
CH30J2	CH30J2I	30A	600Vac		††	2-pole	—		10-18 AWG 2.7N•m (24LB-In)
CH30J3	CH30J3I	Class J			††	3-pole	—		
CH60J1	CH60J1I	CH60J	UL/CSA		††	1-pole	—	1-50mm <sup>2</sup> (18-1 AWG)	1-8 AWG 4.0 N•m (35LB-In)
CH60J2	CH60J2I	60A	600Vac		††	2-pole	—		10-18 AWG 2.7N•m (24LB-In)
CH60J3	CH60J3I	Class J			††	3-pole	—		

† UL Recognized (cURus)    †† UL Listed (cULus)    ††† UL Recognized, Standard 4248-18, CSA  
 For further details see Data Sheets 2053 (CH08, CHM, CHCC, CH14 AND CH22) and 2144 (CHJ Class J)  
 \*90V minimum required for illumination  
 \*\*\*12V minimum required for illumination

For additional information see reorder #3185