

Modular Fuse Holder Specifications and Selection Guide

RoHS

Features and 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.
- 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.



Specifications

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 (0.8mm² to 21.1mm²)

Torque Ratings:

30 Lb-In (3.4 N•m) maximum

Flammability Ratings:

UL 94V0, self-extinguishing

Storage & Operating Temperature Range:

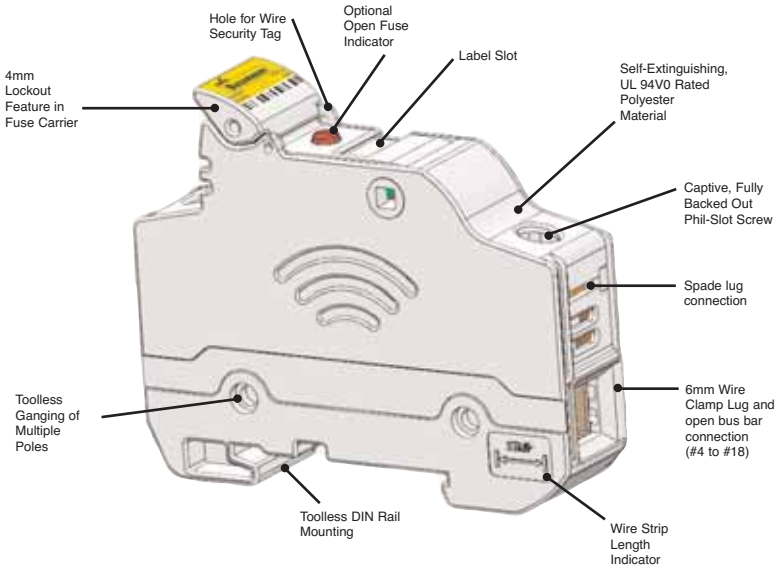
-20°C to +90°C (indicating)

-20°C to +120°C (non-indicating)

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	UR; IEC 60269-2; CSA; CCC	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, DCM, C10 SERIES, AGU, BAN, FWC
	CHM2DIU	CHM2DU			2			
	CHM3DIU	CHM3DU			3			
	CHM4DIU	CHM4DU			4			
	CHM1DNUI	CHM1DNU	UL 48Vdc/30A; IEC 48Vdc/32A	UR; IEC 60269-2; CSA; CCC	1 pole + 1 neutral			
	CHM3DNUI	CHM3DNU			3 poles + 1 neutral			
	CHM1DI-48U		UL 48Vdc/30A; IEC 48Vdc/32A	UR; IEC 60269-2; CSA; CCC	1			
	CHM1DNXU	IEC 690V/32A	IEC60269-2	1 neutral	n/a	n/a		
CHPV	CHPV1IU	CHPV1U	UL & IEC; 1000Vdc/30A	UL; CSA; UL4248-18; IEC60269-1; CCC	1	75°C and 90°C Cu wire	33kA	Solar PV series
	CHPV2IU	CHPV2U			2			
CHCC Class CC	CHCC1DIU	CHCC1DU	UL 600V/30A	UL; CSA; CCC	1	200kA rms sym	200kA rms sym	LP-CC, FNQ-R, KTK-R
	CHCC2DIU	CHCC2DU			2			
	CHCC3DIU	CHCC3DU			3			
	CHCC1DI-48U		UL 48Vdc/30A	1				

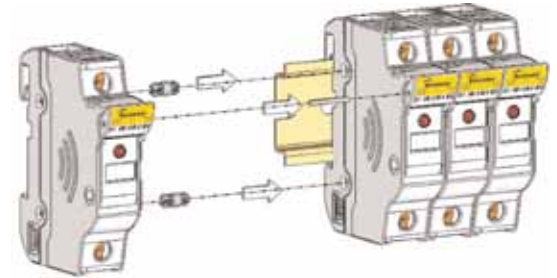
Modular Fuse Holder Features and Installation Guide

Features

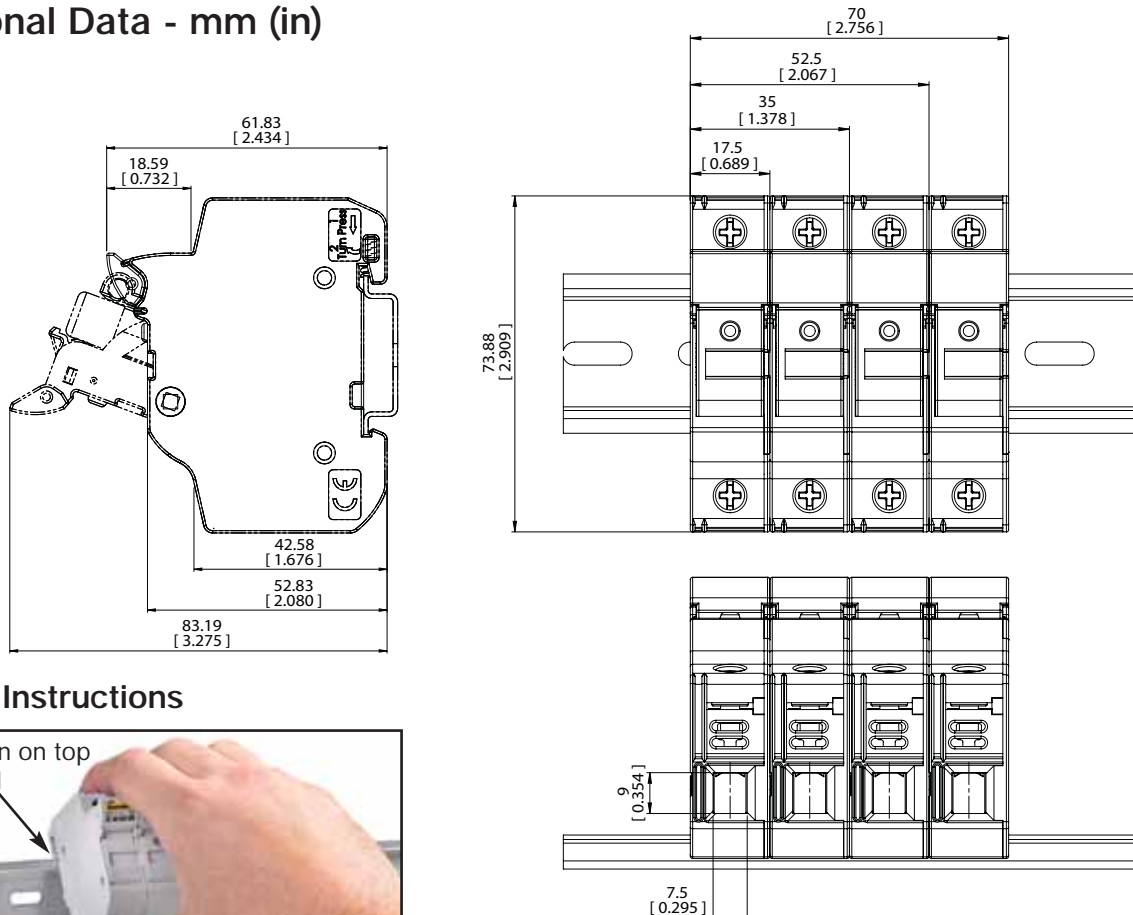


Multi-Pole Ganging

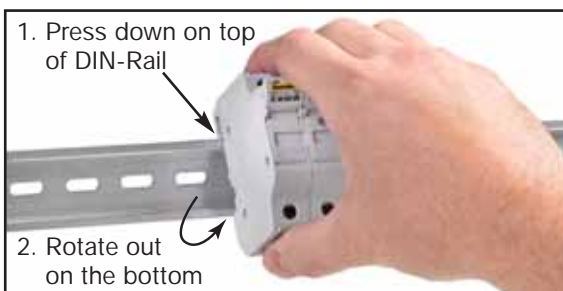
Use multi-pole connection kit part number JV-L to gang multiple poles together. One JV-L kit is sufficient to gang up to 4 poles.



Dimensional Data - mm (in)



Removing Instructions



CH Series Modular Fuse Holder Specifications



Catalog Numbers													
Without Indication	With* Indication	Size	Max Voltage & 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 ² (18-8 AWG)	2.5 N•m (22LB-In)				
CH081DNX	-			•		1 Neutral Pole	1						
CH081DNS	CH081DNSI			•		1-pole + Neutral	1	1-10mm ² (18-8 AWG)	2.0 N•m (17.5LB-In)				
CH081DN	CH081DNI			•		1-pole + Neutral	2	1-16mm ² (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	•	*	1-pole	1	1-21mm ² (18-4 AWG)	3.4 N•m (30LB-In)		
CHM2DU	CHM2DIU	•	*			2-pole	2						
CHM3DU	CHM3DIU	•	*			3-pole	3						
CHM4DU	CHM4DIU	•	*			4-pole	4						
CHM1DNU	CHM1DNIU	•	*			1-pole + Neutral	2						
CHM3DNU	CHM3DNIU	•	*			3-pole + Neutral	4						
-	CHM1DI-48U	UL 48Vdc/30A; IEC 48Vdc/32A	•			*	1-pole	1					
CHM1DNXU	-	IEC 690V32A	•				1-pole + Neutral	2					
CHPV1U	CHPV1IU	CHPV	UL & IEC; 1000Vdc/30A			•	†††	1-pole	1			1-21mm ² (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	1-21mm ² (18-4 AWG)	3.4 N•m (30LB-In)				
CHCC2DU	CHCC2DIU				**	2-pole	2						
CHCC3DU	CHCC3DIU				**	3-pole	3						
CHCC1DI-48U	-			UL 48Vdc/30A		**	1-pole			1			
CH141D	CH141DI	CH14 14x51	UL 600Vac/dc 40A (5 Watt) IEC 690Vac, 50A	•		1-pole	1.5	2.5-16mm ² (14-6 AWG)	3.0 N•m (26LB-In)				
CH141DMS	-			•		1-pole + Microswitch	1.5						
CH141DNX	-			•		1 Neutral Pole	1.5						
CH141DN	CH141DNI			•		1-pole + Neutral	3						
CH142D	CH142DI			•	†	2-pole	3						
CH143D	CH143DI			•	†	3-pole	4.5						
CH143DMS	-			•		3-pole + Microswitch	4.5						
CH143DN	CH143DNI			•		3-pole + Neutral	6						
CH143DNMS	-			•		3-pole + Neutral + Microswitch	6						
CH144D	CH144DI			•		4-pole	6						
CH221D	Not Available	CH22 22x58	UL 600Vac/dc, 100A (9.5 Watt) IEC 690Vac, 125A	•	†	1-pole	2	2.5-50mm ² (14-1 AWG)	4.0 N•m (35LB-In)				
CH221DMS	Available			•		1-pole + Microswitch	2						
CH221DNX	with			•		1 Neutral Pole	2						
CH221DN	local			•		1-pole + Neutral	4						
CH222D	neon			•	†	2-pole	4						
CH223D	indication			•	†	3-pole	6						
CH223DMS	(remote			•		3-pole + Microswitch	6						
CH223DN	microswitch			•	†	3-pole + Neutral	8						
CH223DNMS	only)			•		3-pole + Neutral + Microswitch	8						
CH224D	-			•		4-pole	8						
Class J	Neon												
easyID™ Indication	Indication												
CH30J1	CH30J1I	CH30J	UL/CSA		††	1-pole	—	1-50mm ² (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 ² (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 * UL Recognized, CSA
 For further details see Data Sheets 2053 (CH08, CHM, CHCC, CH14 AND CH22) and 2144 (CHJ Class J) ** UL Listed, CSA
 *90V minimum required for illumination
 ***12V minimum required for illumination