

CH Series

The new and improved **'CH'** line of Modular Fuseholders is designed to accommodate a multitude of fuses from around the world, including North American Class-CC, Midget, Class gR, aR HSF, and IEC Industrial Cylindrical (Class gG and aM) in four physical sizes: 8x32, 10x38, 14x51 and 22x58mm.

All products are manufactured in accordance with IEC 60269 and IEC 60947-3. UL and CSA Compliance as indicated in the Selection Table below.

Key features and benefits include:

- Multiple pole configurations
- Finger Safe protection
- Optional "open-fuse" indication
- 14x51 & 22x58 configurations are available with optional micro-switches for remote "open-fuse" indication, pre-breaking, and fuse presence.
- Self-extinguishable UL 94-VO rated polyester material
- Multi-phase connections available for ganging poles

Modular Fuseholder Selection Table

() ()	Max				N	lo. of	Fuse Holder	Part Number			
Series Size	Voltage & Current	EC	Ы	CSA	Phase Configuration 1	7.5mm /lodules	Without Indication	With Neon Indication*	Box Qty.	Wire Range	Maximum Torque
		•			1 Pole	1	CH081D	CH081DI	12	1-16 mm ² (18-8 AWG)	2.5 Nm (22 lb-in)
		•			1 Neutral Pole	1	CH081DNX	-	12	,	2.5 (4)(1)
_		•			1 Pole + Neutral	1	CH081DNS	CH081DNSI	12	1-10 mm ² (18-8 AWG)	2.0 Nm (17.5 lb-in)
82	IEC	•			1 Pole + Neutral	2	CH081DN	CH081DNI	6	·	
ĬX	400Vac,	•			2 Pole	2	CH082D	CH082DI	6		
$\overline{\Omega}$	25A	•			3 Pole	3	CH083D	CH083DI	4	1-16 mm ² (18-8 AWG)	2.5 Nm (22 lb-in)
	237	•			3 Pole + Neutral	3	CH083DNS	CH083DNSI	4	1-1011III (10-0 AVVG)	2.3 1411 (22 10-111)
		•			3 Pole + Neutral	4	CH083DN	CH083DNI	3		
		•			4 Pole	4	CH084D	CH084DI	3		
		•	+	•	1 Pole	1	CHM1D	CHM1DI	12	1-16 mm ² (18-8 AWG)	2.5 Nm (22 lb-in)
	UL/CSA	•			1 Neutral Pole	1	CHM1DNX	-	12	1-1011III (10-0 AVVG)	2.3 [11] (22 10-11)
•ŏ ±	600Vac/dc.	•			1 Pole + Neutral	1	CHM1DNS	CHM1DNSI	12	1-10 mm ² (18-8 AWG)	2.0 Nm (17.5 lb-in)
$\geq \infty$	30A	•			1 Pole + Neutral	2	CHM1DN	CHM1DNI	6	,	`
IOI	(3 Watt)	•	+	•	2 Pole	2	CHM2D	CHM2DI	6		
	IEC	•	+	•	3 Pole	3	CHM3D	CHM3DI	4	1-16 mm ² (18-8 AWG)	2.5 Nm (22 lb-in)
<u>~</u> _	690Vac.	•			3 Pole + Neutral	3	CHM3DNS	CHM3DNSI	4	1-16 MM (16-6 AVVG)	2.5 INITI (22 ID-III)
	32A	•			3 Pole + Neutral	4	CHM3DN	CHM3DNI	3		
45		•			4 Pole	4	CHM4D	CHM4DI	3		
	UL/CSA		††	•	1 Pole	1	CHCC1D	CHCC1DI	12		
1331	600Vac/dc,		++	•	2 Pole	2	CHCC2D	CHCC2DI	6	1-16 mm ² (18-8 AWG)	2.5 Nm (22 lb-in)
ದರ	30A		††	•	3 Pole	3	CHCC3D	CHCC3DI	4	, ,	, ,
_		•	†		1 Pole	1.5	CH141D	CH141DI	6		
	UL	•			1 Pole + Microswitch	1.5	CH141DMS	-	6		
	600Vac/dc,	•			1 Neutral Pole	1.5	CH141DNX	-	6		
	40A	•			1 Pole + Neutral	3	CH141DN	CH141DNI	3		
4 0	(5 Watt)	•	†		2 Pole	3	CH142D	CH142DI	3	2.5-16 mm ² (14-6 AWG)	0 0 N les (00 lls is)
エな	IEC	•	†		3 Pole	4.5	CH143D	CH143DI	2	2.5-16 mm= (14-6 AVVG)	3.0 INM (26 ID-IN)
04	690Vac,	•			3 Pole + Microswitch	4.5	CH143DMS	-	2		
	50A	•			3 Pole + Neutral	6	CH143DN	CH143DNI	1		
		•			3 Pole + Neutral + Microswitch	6	CH143DNMS	-	1		
		•			4 Pole	6	CH144D	CH144DI	11		
		•	†		1 Pole	2	CH221D	Not	6		
~189	UL	•			1 Pole + Microswitch 1 Neutral Pole	2	CH221DMS CH221DNX	Available	6		
	600Vac/dc,	•	\dashv		1 Pole + Neutral	2	CH221DNX CH221DN	with	3		
CH22 22X58	100A	•						Local Neon		0.5.50 2 (4.4.4.8)	4 0 N (05 II- 1)
六 る	(9.5 Watt)		†		2 Pole 3 Pole	4	CH222D CH223D	Indication	_3	2.5-50 mm ² (14-1 AWG)	4.U INM (35 ID-IN)
0%	IEC	•	†		3 Pole + Microswitch	6	CH223D CH223DMS	(Remote	2		
	690Vac,	•	+		3 Pole + Mutral	6 8	CH223DIVIS CH223DN	Microswitch	1		
	125A	•			3 Pole + Neutral + Microswitch	8	CH223DNMS	only)	1		
		•	\dashv		4 Pole	8	CH223DINIVIS	- Orliy)	1		
		-			T I VIV	U	0112240				

[†] UL Recognized

i.e. 1 = 17.5mm 2 = 35mm.



^{††} UL LIsted

^{*}Holder width as compared to standard 17.5mm module.

Recommended Buss® Fuse Types:

8x32 IEC Cylindrical - C08 Series

10x38 North American Class CC Fuses - LP-CC, FNQ-R, KTK-R

Fuses - FNQ, KTK, AGU, KLM, BAF, BAN, FNM, FWA, FWC, C10 Series

14x51 Fuses - FWX, FWH, FWP & NON, C14 Series

22x58 Fuses - FWP, C22 Series

Using High Speed Fuses (Semiconductor Protection)

The 'CH' range of Modular Fuseholders may be used in conjunction with Class gR and aR High-Speed fuses, offering a touch-safe design with no exposed contacts, according to the following application tables:

CHM Series (10x38)

High Speed Fuse	Maximum Continuous Fuse Current (amps)	High Speed Fuse	Maximum Continuous Fuse Current (amps)
FWA-5A10F	5	FWC-6A10F	6
FWA-10A10F	10	FWC-8A10F	8
FWA-15A10F	14	FWC-10A10F	10
FWA-20A10F	18	FWC-12A10F	12
FWA-25A10F	20	FWC-16A10F	15
FWA-30A10F	24	FWC-20A10F	16
-	-	FWC-25A10F	19
-	-	FWC-32A10F	21

CH22 Series (22x58)

High Speed Fuse	Maximum Continuous Fuse Current (amps)		
FWP-20A22F	20		
FWP-25A22F	25		
FWP-32A22F	32		
FWP-40A22F	40		
FWP-50A22F	50		
FWP-63A22F	58		
FWP-80A22F	66		
FWP-100A22F	78		

CH14 Series (14x51)

High Speed Fuse	Maximum Continuous Fuse Current (amps)	High Speed Fuse	Maximum Continuous Fuse Current (amps)	High Speed Fuse	Maximum Continuous Fuse Current (amps)	High Speed Fuse	Maximum Continuous Current (amps)
FWX-5A14F	5	FWH-5A14F	5	FWP-5A14F	5	FWP-32A14F	27
FWX-10A14F	10	FWH-10A14F	10	FWP-10A14F	10	FWP-40A14F	32
FWX-15A14F	15	FWH-15A14F	14	FWP-15A14F	14	FWP-50A14F	38
FWX-20A14F	20	FWH-20A14F	18	FWP-20A14F	18	-	-
FWX-25A14F	24	FWH-25A14F	21	FWP-25A14F	21	-	-
FWX-30A14F	27	FWH-30A14F	22	FWP-30A14F	22	-	-

Please contact Cooper Bussmann Application Engineering for more information regarding High-Speed fuse application.

Accessories for use with the new CH Series of Modular Fuseholders

Accessory	For Use with Fuse Holders	Part Number	No. of Poles	Box Quantity	
Multi-Phase Connection Links	CH08, CHM, CHCC, AND CH14 Series	AL-D	-	12	
Multi-Phase Handle Pins	CH08, CHM,& CHCC Series	CH810-HP	-	12	
Walti Thase Hariale Tillis	CH14 Series	CH14-HP	-	12	
	CH08 Series	C08NL	-		
Neutral Links	CHM Series	C10NL, NNB	-	10	
Trodia Enno	CHCC Series	NNB-R -	-	10	
	CH14 Series	C14NL	-		
	CH22 Series	C22NL	-		
Operated-Fuse Micro-Switches	CH141 Series	CH14MS-1D	1	5	
Operateu-i use Micro-Switches	CH143 Series	CH14MS-3D	3	2	

Multi-Phase Connection Links Multi-Phase Handle Pins

Neutral Links

Operated-Fuse Micro-Switches





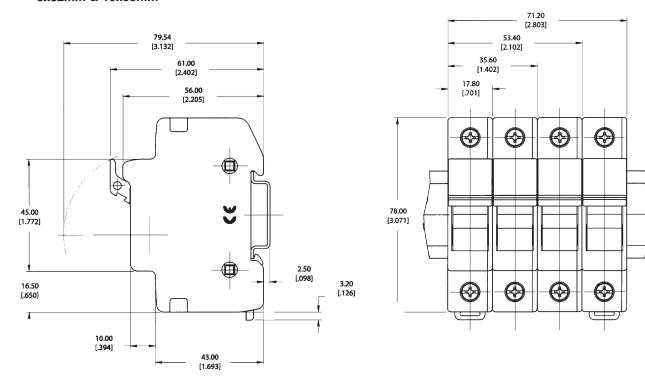






Dimensional Data (all dimensions mm) [inch]

8x32mm & 10x38mm

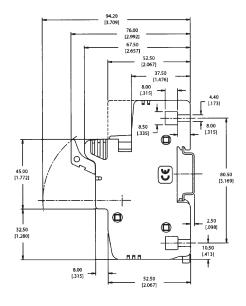


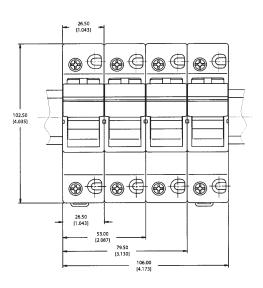
Manual Multi-phase Construction (10x38 & 14x51mm)

Additional poles can be added by using the accessories shown on page 2 of this data sheet. The following components are required for each additional pole, up to a maximum of 4-poles.

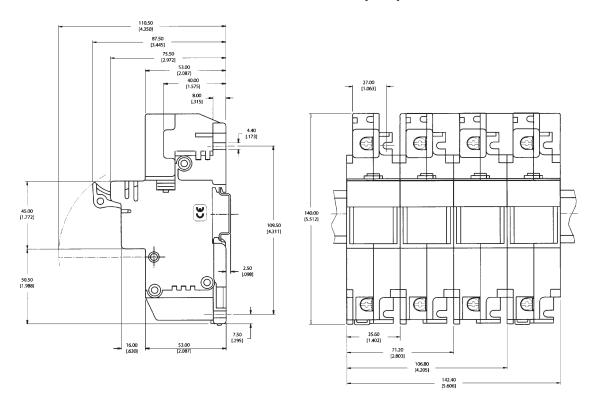
Part Number	Description	Number Required	
AL-D CH810-HP CH14-HP	Multi-phase Connection Linl 8x32 & 10x38 Handle Pin 14x51mm Handle Pin	2 1 1	

14x51mm Dimensional Data (all dimensions mm | finch|)





22x58mm Dimensional Data (all dimensions mm [inch])



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