Fuse Holders and Blocks

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RED indicates NEW information

Optima® Fuse Holder Module and Disconnect Switch

OPM-1038 With Disconnect Switch

Catalog Number Build-A-Code

Series								Fuse Type			Communication	
O	P	M	-	1	0	3	8			S	W	

Blank = 10 x 38mm or 13/32" x 1-½"
R = Class CC

C = Communication Feature

Specifications

Description: 3-pole load break modular fuse holder and disconnect switch for 13/32 x 1½" (10 x 38mm) fuses.

Dimensions: See Dimensions illustration.

Poles: 3

Agency Information: CE, UL (see table), CSA Certified, C22.2 No. 39, Class 6225-01, File 47235, IEC (see table).

Flammability Rating: UL 94V0.

Horsepower Rating of Switch

3-Phase	Volts	240	480	600
	HP	5	10	15

Recommended Fuse Types

Class CC	Midget (Non-Rejection)	European
LP-CC	KTK	C10M
KTK-R	FNM	C10G
FNQ-R	FNQ	

Physical Characteristics

- Small size matches 45mm IEC starter width
- Accepts #8-18 AWG stranded, #10-18 AWG solid wire
- 3-pole
- Handle and shaft required for through the door operation

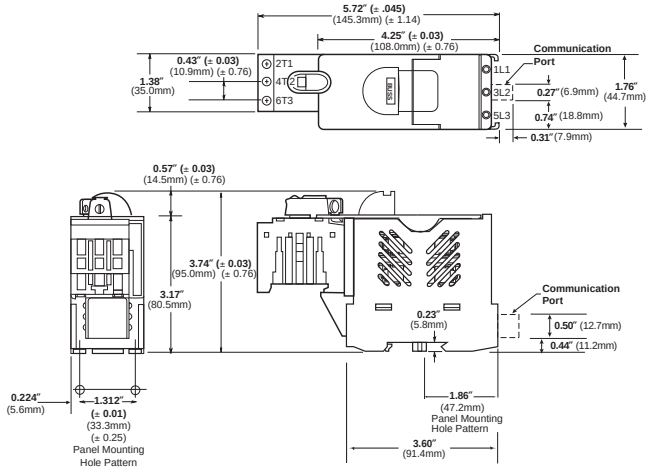
Features/Benefits

- Padlockable with finger-safe terminals for safety. Qualified as IP20 per IEC 60529.
- Cam-action handle for easy module removal, offered with Class CC rejection clips or European 10 x 38mm clips to meet global needs
- Wire ready with 35mm DIN rail or screw panel mounting (#8 screw, 1¼" long) saves installation time
- Fuse indication lights with option for remote fuse status available. See Data Sheet for additional wiring details.

Typical Applications

- Industrial Control
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

Dimensions



Catalog Numbers

Catalog Numbers	Electrical Rating	SCCR** Rating	Clips	Remote Open Fuse Indication	UL Information Std.	File	Guide	IEC	CE
OPM-1038SW	30A, 600Vac UL/CSA 32A, 660Vac IEC	*	Non-rejection, 10x38mm or 13/32" x 1 ½"	No	Recognized UL 508	E161278	NLRV2	IEC 60947-3	Yes
OPM-1038RSW	30A, 600Vac UL/CSA	100kA	Rejection, Class CC	No	Listed UL 508	E161278	NLRV		Yes
OPM-1038SWC	30A, 600Vac UL/CSA 32A, 660Vac IEC	*	Non-rejection, 10x38mm or 13/32" x 1 ½"	Yes	Recognized UL 508	E161278	NLRV2	IEC 60947-3	No
OPM-1038RSWC	30A, 600Vac UL/CSA	100kA	Rejection, Class CC	Yes	Listed UL 508	E161278	NLRV		No

*Rating varies depending on fuse used in module; 100kA maximum
**Short-Circuit Current Rating

Data Sheet: 1103

COOPER Bussmann

Optima® Fuse Holder Module

OPM-1038

Features/Benefits

- Padlockable with finger-safe terminals for safety. Qualified as IP20 per IEC 529.
- Cam-action handle for easy module removal.
- Offered with Class CC rejection clips or European 10 x 38mm clips to meet global needs
- Wire ready with 35mm DIN rail or screw panel mounting (#8 screw, 1 ¼" long) saves installation time
- Fuse indication lights with option for remote fuse status indication. See Data Sheet for additional wiring details.

Typical Applications

- Industrial Control
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

Catalog Number Build-A-Code

Series								Fuse Type	Communication
O	P	M	-	1	0	3	8		

Blank = 10 x 38mm or 13/32" x 1 ½"

R = Class CC

C = Communication Feature

Specifications

Description: 3-pole modular fuse holder for 13/32" x 1 ½" (10 x 38mm) fuses.

Dimensions: See Dimensions illustration.

Poles: 3

Agency Information: CE, UL (see table), CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235, IEC (see table).

Flammability Rating: UL 94V0.

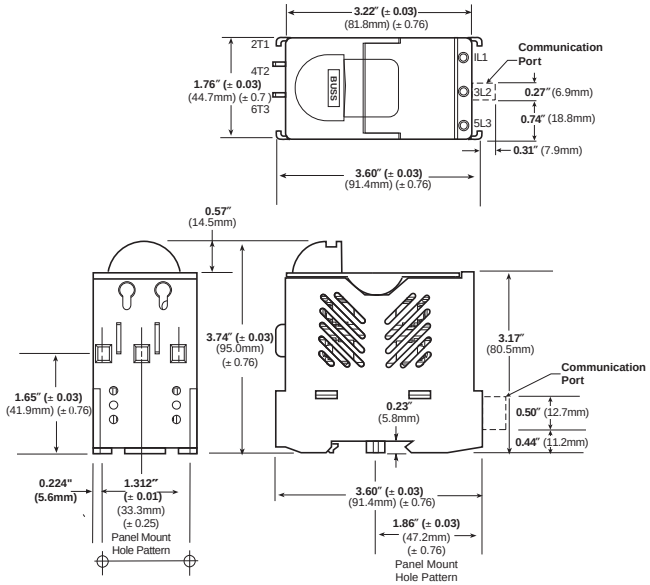
Recommended Fuse Types

Class CC	Midget (Non-Rejection)	European
LP-CC	KTK	C10M
KTK-R	FNM	C10G
FNQ-R	FNQ	

Physical Characteristics

- Small size matches 45mm IEC starter width
- Accepts #8-18 AWG stranded, #10-18 AWG solid wire
- 3-pole

Dimensions



Catalog Numbers

Catalog Numbers	Electrical Rating	SCCR** Rating	Clips	Remote Open Fuse Indication	UL Information Std.	File	Guide	IEC	CE
OPM-1038	30A, 600Vac/dc UL/CSA (Max 3 Watts per fuse) 32A, 660V IEC	*	Non-rejection, 10 x 38mm or 13/32" x 1 ½"	No	Recognized UL 4248	E14853	IZLT2	IEC 60269-2-1	Yes
OPM-1038R	30A, 600Vac/dc UL/CSA	200kA	Rejection, Class CC	No	Listed UL 4248	E14853	IZLT		Yes
OPM-1038C	30A, 600Vac/dc UL/CSA (Max 3 Watts per fuse) 32A, 660V IEC	*	Non-rejection, 10 x 38mm or 13/32" x 1 ½"	Yes	Recognized UL 4248	E14853	IZLT2	IEC 60269-2-1	No
OPM-1038RC	30A, 600Vac/dc UL/CSA	200kA	Rejection, Class CC	Yes	Listed UL 4248	E14853	IZLT		No

*Rating varies depending on fuse used in module; 200kA maximum.

**Short-Circuit Current Rating

Data Sheet: 1102

Optima® Three-pole Overcurrent Protection Module

OPM-NG-

Specifications
Description:

OPM-NG-SC3: 3-pole Class CC fuse holder for use with Class CC fuses (Cooper Bussmann Types LP-CC, FNQ-R, KTK-R).

OPM-NG-SM3: 3-pole fuse holder for use with 13/32" x 1½" and 10.3 x 38mm fuses (Cooper Bussmann Types: 13/32" x 1½"; KTK, FNQ, KLM, 10 x 38mm; FWA, FWC, C10G_ _, C10M_ _).

Ratings:

Volts: — OPM-NG-SC3: 600Vac (or less)
— OPM-NG-SM3: 600Vac (or less) UL and CSA 30A
— OPM-NG-SM3: 690Vac (or less) IEC 32A

Amps: — OPM-NG-SC3: 0-30A
— OPM-NG-SM3: 0-30A

SCCR: — OPM-NG-SC3: 200kA
— OPM-NG-SM3: Same as fuse IR, 200kA maximum

Agency Information: CE, UL; OPM-NG-SC3 UL Listed, UL 4248, File E14853, Guide IZLT. OPM-NG-SM3, UL Recognized, UL 4248, File E14853, Guide IZLT2. CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235. IEC 60947-3 Utilization Category AC20B.

Handling & Storage Temperature: -10° to 65°C.

Features/Benefits

- 45mm width matches IEC starters
- 35mm DIN rail or panel mounting feature. Maximum screw size #8 (M4)
- Pressure plate terminations with dual-wire rated terminals (see Wire Table) and optional auxiliary contacts
- Integrated collapsible handle and fuse carrier cannot be removed from holder base
- Padlockable and IP20 finger-safe to IEC60529

Typical Applications

- Mass Produced Control Systems
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

Fuse Holder Wire Range:

— 75°Cu Only
— #18-12 Single/Dual, torque 15lb-in
— #10-8 Single/Dual, torque 20lb-in
— Dual wire with same gauge and type

		75° Cu Only		c
		AWG	[mm2]	(N•m)/lb-in
Solid		#18-8 x 1 #18-8 x 2	1-6 x 1 1-6 x 2	18-12 Single/Dual 15lb-in (1.7 N•m)
Stranded		#18-8 x 1 #18-8 x 2	1-6 x 1 1-6 x 2	 10-8 Single/Dual
Ferrules			1-4 x 1 1-4 x 2	20lb-in (2.5 N•m)

Input Power Terminal Wire Range:

Wiring	Solid	(1) #14 to #2 (1.5 to 25mm²) or conductor
	Conductor	(2) #14 to #6 (1.5 to 10mm²) conductors
	Stranded	(1) #14 to #2 (1.5 to 25mm²) conductor or
	Conductor	(2) #12 to #6 (2.5 to 10mm²) conductors
Tightening Torque:	Connector	20lb-in (2.2 N•m)
	Screw Clamp	15lb-in (1.7 N•m)

Materials:

— **Housing:** Thermoplastic - ULV2
— **Clip:** Tin-plated copper alloy
— **Contact lubricant:** Fluoroether grease
— **Saddle screw:** Plated steel
— **DIN rail springs:** Stainless steel

Optional Accessories:

Comb Bar (Max current rating = 63A)

OPMNGSA245	2 circuit, 45mm between same phases
OPMNGSA254	2 circuit, 54mm between same phases
OPMNGSA272	2 circuit, 72mm between same phases
OPMNGSA345	3 circuit, 45mm between same phases
OPMNGSA354	3 circuit, 54mm between same phases
OPMNGSA445	4 circuit, 45mm between same phases
OPMNGSA454	4 circuit, 54mm between same phases
OPMNGSA472	4 circuit, 72mm between same phases
OPMNGSA554	5 circuit, 54mm between same phases

Input Terminal Block (Max current rating = 63A)

OPMNGSA005	Input/Feed Through Power Terminal, Supports feed through to another system, DIN rail mount only
OPMNGSA009	Input Power Terminal

Cover

OPMNGSA010	Protective Cover for unused terminals on comb bar

Auxiliary Contacts

OPMNGSAAUX11	NO/NC
OPMNGSAAUX20	NO/NO

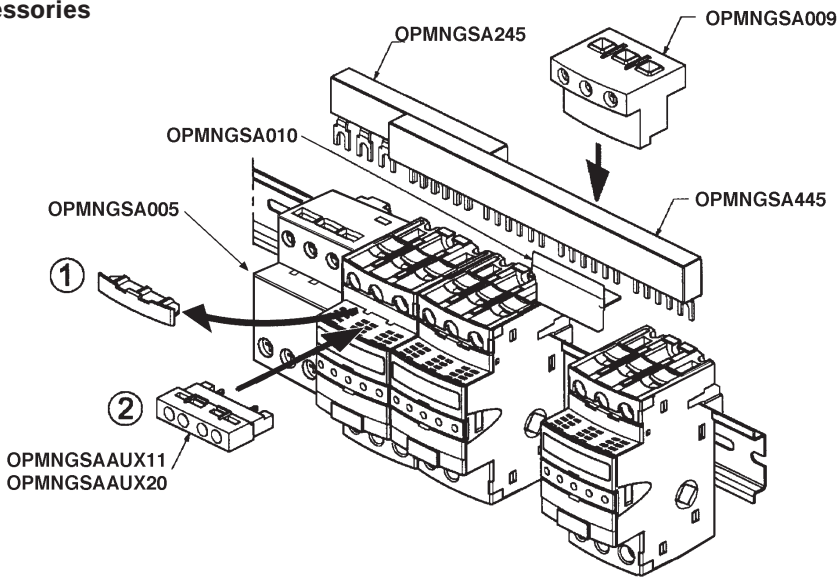
Marking Tabs

OPMNGSA101	Marking Tab - Mounts to front of carrier, quantity 100

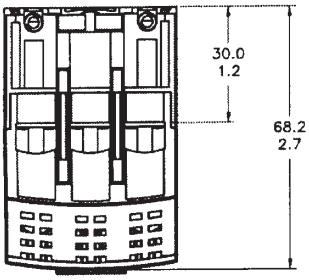
Data Sheet: 1109

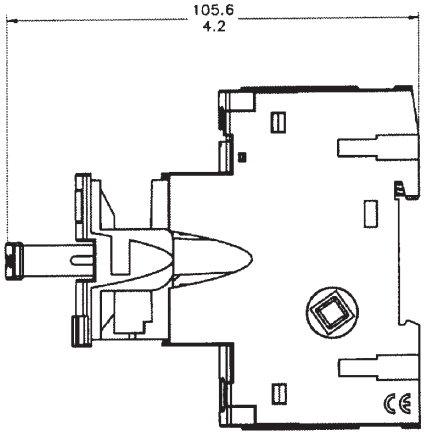
Optima® Three-pole Overcurrent Protection Module

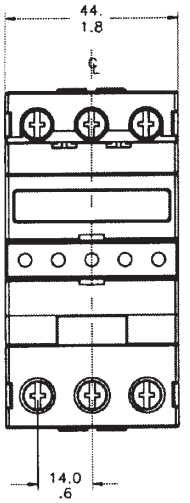
Optional Accessories

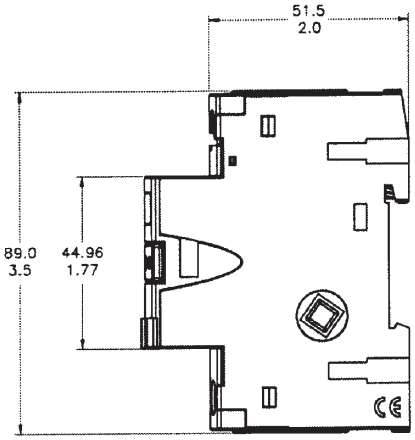


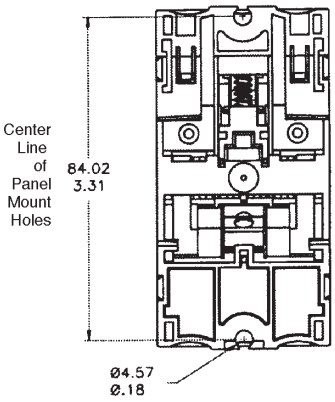
Dimensions Millimeters (± 0.38), Inches (± .015)











Data Sheet: 1109

Class J Modular Fuse Holders

CH _ _ J _

Specifications
Description: IP20 finger-safe, 1- to 3-pole Class J fuse holder with DIN rail or panel mounting.

Ratings:

Volts: — 600Vac/dc (or less)

Amps: — 30A (30A version)

— 60A (60A version)

Withstand Rating SCCR: — 200kA

Wire Range: Cu solid and stranded conductors with single (1-18AWG) and dual (3-18AWG) wire ratings. See Catalog Numbers table for details.

Torque Rating: 10-18AWG 24 lb-in.

1-8AWG 35 lb-in.

Poles: 1-, 2- or 3-Pole.

Storage & Operating Temperature Range*:

-20°C to 75°C.

Agency Information: CE, UL 4248/CSA 22.2 No. 4248.

Flammability Rating: UL 94V0.

Catalog Numbers
See Catalog Numbers table below.

Features and Benefits

- Choice of local fuse indication; *easy*ID™ viewing window (for seeing indicator on LPJ-SPI indicating fuse) or neon lamp.
- Versatile 1-, 2- and 3-pole versions for 0-30A and 35-60A fuses with dual wire rated connections simplify wiring.
- Improved electrical safety with IP20 finger-safe construction with lock-out/tag-out feature. 3-phase fuse extraction assures all phases are opened for service work.
- Flexible panel/35mm DIN rail mounting mounting options

*For fuse selection on applications above or below 25ºC, consult derating charts in Cooper Bussmann publication "Selecting Protective Devices" (SPD).

30 Amp Version

60 Amp Version

Dimensions (mm):

Fuse Size	Poles	W	D	H
0-30A	1	32	70	115
	2	64	70	115
	3	96	70	115
35-60A	1	40	83	125
	2	80	83	125
	3	120	83	125

Catalog Numbers

Catalog Numbers	Amp Rating	Volts (AC/DC)	# of Poles	IP20 Finger-Safe	Mounting	Padlockable	Local Indication	AWG Single Wire Range
CH30J1	30	600	1	Yes	35mm DIN/ Panel	Yes	*easy*ID**	1-18
CH30J1I	30	600	1	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH30J2	30	600	2	Yes	35mm DIN/ Panel	Yes	*easy*ID**	1-18
CH30J2I	30	600	2	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH30J3	30	600	3	Yes	35mm DIN/ Panel	Yes	*easy*ID**	1-18
CH30J3I	30	600	3	Yes	35mm DIN/ Panel	Yes	Neon Lamp**	1-18
CH60J1	60	600	1	Yes	35mm DIN/ Panel	Yes	*easy*ID**	1-18
CH60J1I	60	600	1	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH60J2	60	600	2	Yes	35mm DIN/ Panel	Yes	*easy*ID**	1-18
CH60J2I	60	600	2	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH60J3	60	600	3	Yes	35mm DIN/ Panel	Yes	*easy*ID**	1-18
CH60J3I	60	600	3	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18

** *easy*ID™ viewing window, requires use of Cooper Bussmann LPJ_SPI permanent indication fuses.
*** Indication non-fuse dependent, minimum voltage 90Vac/115Vdc.

Data Sheet: 2144

Class J (Finger-safe) Fuse Holders

Safety J™ — JT(N)60030 & JT(N)60060

30 Amp Version

60 Amp Version

Specifications

Description: Indicating and non-indicating finger-safe, DIN rail mount fuse holders for use with Class J fuses - (Cooper Bussmann® LPJ, JKS).

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 600Vac

Amps: — 0-60A (JT(N)60060)

— 0-30A (JT(N)60030)

SCCR: — 200,000A RMS Sym.

— 300,000A self certified using Cooper Bussmann LPJ_SP fuses

Agency Information: CE, Listed to UL 4248: Guide IZLT, File 14853, CSA Certified: Class 6225-01, File 47235. IP20 per IEC 60529.

Flammability Rating: UL 94V0.

Indication: Min voltage: 90Vac, 115Vdc; neon lamp "ON" when fuse opens, voltage source and current path are present.

Terminations: 30A dual port torque 20lb-in, 60A single port torque 45lb-in, terminal construction, tin-plated copper alloy.

Wire Size: JT(N)60030 - rated for 75°C, AWG#18-#8; Cu only, JT(N)60060 - rated for 75°C, AWG#14-#4; Cu only.

(Note: For JT(N)60030 use both stranded or solid, in a variety of dual wire combinations of same wire size and type.)

Features and Benefits

- Short-Circuit Current Rating of 300,000A with Cooper Bussmann LPJ___SP fuses.
- Rapid, flexible 35 mm DIN rail mounting.
- One piece interlocking design for assembling multiple pole blocks reduces inventory costs.
- Removable fuse carrier allows fuse replacement away from base while maintaining finger-safe rating.

Typical Applications

- Industrial Controls
- Process Controls
- Small HP VFDs

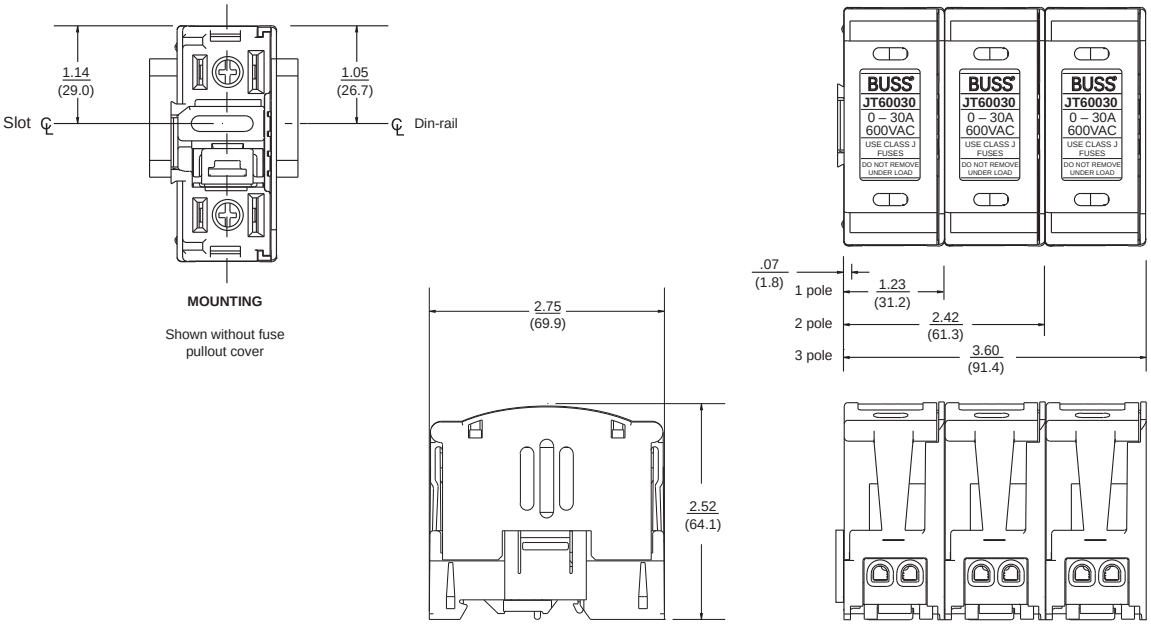
Catalog Numbers

Catalog Numbers	Amps	Indication
JT60030	30	Non-indicating
JT60060	60	Non-indicating
JTN60030	30	Indicating (Neon)
JTN60060	60	Indicating (Neon)

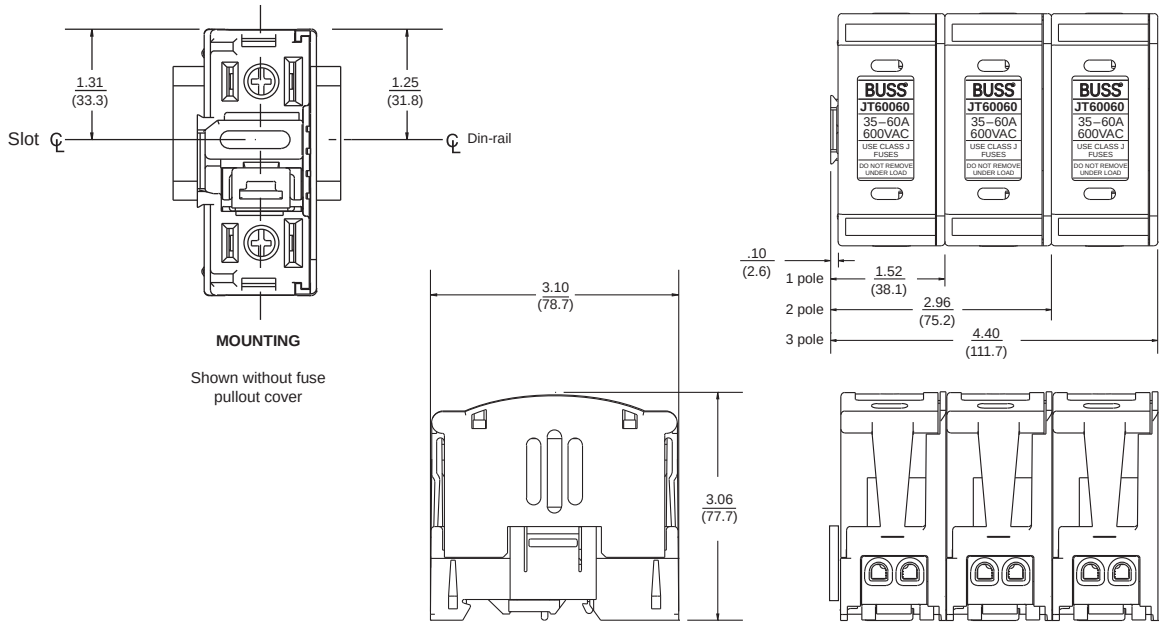
Data Sheet: 1152

Class J (Finger-safe) Fuse Holders

Dimensions for JT60030 & JTN60030 — in (mm)



Dimensions for JT60060 & JTN60060 — in (mm)



JT(N)600 Series fuse blocks can be dovetailed together within the same current rating to provide multiple pole block configurations.

NOTE: JT(N)60030 cannot be dovetailed to JT(N)60060.

Data Sheet: 1152

Global Modular Fuse Holders

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: Manufactured in accordance with IEC 60269 and IEC 60947-3. Agency Compliance as indicated in the Catalog Numbers table.

Features/Benefits

- Optional open fuse indication (minimum 90Vac, 115Vdc for indicator lights)
- 14x51 & 22x58mm configurations available with optional micro-switches for remote open fuse indication, pre-breaking, and fuse presence
- Multi-phase connections available for ganging poles
- Low voltage indicating device available for CC and midget (48V)

Modular Fuse Holder Selection Table (10 x 38 and CC)

Part Numbers

Series Size	Catalog Numbers W/O Indication	Catalog Numbers W/Indication	Max Voltage & Current	UL	IEC	Phase Configuration	No. of 17.5mm Modules*	Box Qty.	Terminal Rating	SCCR Rating	Cooper Bussmann Fuses
CHCC Class CC	CHCC1D	CHCC1DI**	UL 600Vac/dc 30A	††		1-pole	1	12	75º Cu Wire Only	200kA	LP-CC, FNQ-R, KTK-R
	CHCC2D	CHCC2DI**		††		2-pole	2	6			
	CHCC3D	CHCC3DI**		††		3-pole	3	4			
	—	CHCC1DI-48***	UL 48Vdc, 30A	††		1-pole	1	12			
CHPV	CHPV1	CHPV1I**	1000Vdc 30A	†††	•	1-pole	1	12	75º Cu Wire Only	33kA	PV Series
CHM 10X38 & Midget	CHM1D	CHM1DI**	UL 600Vac/dc, 30A IEC 690Vac, 32A (3 Watt)	†	•	1-pole	1	12	75º Cu Wire Only	Rating varies depending on fuse used in holder.	FNQ, KLM, FNM, KTK, BAF, FWA, DCM, C10 Series, AGU, FWC
	CHM1DNX	-			•	1 Neutral Pole	1	12			
	CHM1DN	CHM1DNI**			•	1-pole + Neutral	2	6			
	CHM2D	CHM2DI**		†	•	2-pole	2	6			
	CHM3D	CHM3DI**		†	•	3-pole	3	4			
	CHM3DN	CHM3DNI**			•	3-pole + Neutral	4	3			
	CHM4D	CHM4DI**			•	4-pole	4	3			
	—	CHM1DI-48***	UL 48Vdc, 30A IEC 48Vdc, 32A (3 Watt)	†	•	1-pole	1	12			

† UL Recognized (cURus)
†† UL LIsted (cULus)
††† Self Certified
*Holder width as compared to standard 17.5mm module, i.e., 1 = 17.5mm 2 = 35mm.
**90V mininum required for illumination
***12V mininum required for illumination

MFH Wire Range and Torque - CH Series: CHCC, CHM & CHPV

Wire Range	Conductor Type 75ºC Cu Wire Only	Conductors	Torque
18-12 AWG (0.8 - 4mm^2)	Solid/Stranded	Single	20 lb-in 2.3 N•m
10 AWG (5.0mm^2)	Solid	Single	25 lb-in (2.8 N•m)
10-8 AWG (5.0 - 8.0mm^2)	Stranded		
18-14 AWG (0.8 - 2.0mm^2)	Solid	Dual	
18-10 AWG (0.8 - 5.0mm^2)	Stranded		

Global Modular Fuse Holders

Modular Fuseholder Selection Table (8x32, 14x51, and 22x58)

Part Numbers

Series/ Size	Catalog Numbers W/O Indication	Catalog Numbers W/Indication	Max Voltage & Current	IEC	UL	Phase Configuration	No. of 17.5mm Modules*	Box Qty.	Wire Range	Maximum Torque
CH08 8X32	CH081D	CH081DI	IEC 400Vac 25A	•		1-pole	1	12	1-16mm² (18-6 AWG)	2.5 N•m (22in-lb)
	CH081DNX	-		•		1 Neutral Pole	1	12		
	CH081DNS	CH081DNSI		•		1-pole + Neutral	1	12	1-10mm² (18-8 AWG)	2.0 N•m (17.5in-lb)
	CH081DN	CH081DNI		•		1-pole + Neutral	2	6	1-16mm² (18-6 AWG)	2.5 N•m (22in-lb)
	CH082D	CH082DI		•		2-pole	2	6		
	CH083D	CH083DI		•		3-pole	3	4		
	CH083DNS	CH083DNSI		•		3-pole + Neutral	3	4		
	CH083DN	CH083DNI		•		3-pole + Neutral	4	3		
	CH084D	CH084DI		•		4-pole	4	3		
CH14 14X51	CH141D	CH141DICH1	UL/cURus 600Vac/dc, 40A (5 Watt) IEC 690Vac, 50A	•	†	1-pole	1.5	6	2.5-16mm² (14-6 AWG)	3.0 N•m (26in-lb)
	CH141DMS	-14X51		•		1-pole + Microswitch	1.5	6		
	CH141DNX	-		•		1 Neutral Pole	1.5	6		
	CH141DN	CH141DNI		•		1-pole + Neutral	3	3		
	CH142D	CH142DI		•	†	2-pole	3	3		
	CH143D	CH143DI		•	†	3-pole	4.5	2		
	CH143DMS	-		•		3-pole + Microswitch	4.5	2		
	CH143DN	CH143DNI		•		3-pole + Neutral	6	1		
	CH143DNMS	-		•		3-pole + Neutral + Microswitch	6	1		
	CH144D	CH144DI		•		4-pole	6	1		
CH22 22X58	CH221B	Not Available with local neon indication (remote microswitch only)	UL/cURus 600Vac/dc, 100A (9.5 Watt) IEC 690Vac, 125A	•	†	1-pole	2	6	2.5-50mm² (14-1 AWG)	4.0 N•m (35in-lb)
	CH221BMS			•		1-pole + Microswitch	2	6		
	CH221BNX			•		1 Neutral Pole	2	6		
	CH221BN			•		1-pole + Neutral	4	3		
	CH222B			•	†	2-pole	4	3		
	CH223B			•	†	3-pole	6	2		
	CH223BMS			•		3-pole + Microswitch	6	2		
	CH223BN			•	†	3-pole + Neutral	8	1		
	CH223BNMS			•		3-pole + Neutral + Microswitch	8	1		
	CH224B			•		4-pole	8	1		

† UL Recognized (cURus)
†† UL LIsted (cULus)
*Holder width as compared to standard, i.e., 1 = 17.5mm module 2 = 35mm.
**90V miminum required for illumination

Accessories for CH Series

Catalog Numbers	Accessory	For Use with Fuse Holders	No. of Poles	Carton Qty.
AL-D	Multi-Phase Connection Links	CH08 and CH14 Series	–	12
JV-L	Multi-Phase Connection Kit***	CHM and CHCC Series	–	–
CH810-HP	Multi-Phase Handle Pins	CH08 Series	–	10
CH14-HP		CH14 Series	–	
C08NL	Neutral Links	CH08 Series	–	10
C14NL		CH14 Series	–	
C22NL		CH22 Series	–	
CH14MS-1D		CH141 Series	1	5
CH14MS-3D		CH143 Series	3	2
CH-PLC****	PLC Module	CHM and CHCC Series	1	1
CH22LS	22x58 Lock Support	CH22 Series	–	5
CH22IP20	22x58 IP20 Protection Accessory	CH22 Series	–	12

***Kit contains 3-Spring pins and 6-connection links
****OL Listed (cULus)

Multi-Phase Connection Links

Multi-Phase Handle Pins

Neutral Links

Operated-Fuse Micro-Switches

Programmable Logic Controller (PLC)

COOPER Bussmann

SAMI™ Fuse Covers

SAMI™ Series

Specifications

Description: Indicating and non-indicating fuse covers for Class J, RK1, RK5, H, K5, CC, G (0-30A) and midget-type fuses. Indicating feature requires a minimum of 90Vac or 115Vdc to illuminate lamp. One cover required for each pole.
WARNING: To avoid electrical shock, turn power off before installing, removing or servicing.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — Non-Indicating - 0-600Vac/dc
— Indicating - 90 to 600Vac
-115 to 600Vdc

Amps: — 0-100A

Agency Information: CE, UL Listed; SAMI-1I through SAMI-6I, SAMI-8I and SAMI-9I, SAMI-1N through SAMI-6N, SAMI-8N and SAMI-9N, UL Recognized; SAMI-7I and SAMI-7N, CSA Certified, File LR47235-93C.

Catalog Numbers

Catalog Numbers*	Description	Dimensions (inches) A	B	C
SAMI-1_	600V, J (0-30A) and 600V, T (35-60A)** 250V, RK, K5, H (35-60A)	5.02	1.03	1.94
SAMI-2_	600V, RK, K5, H (0-30A)	7.03	1.30	2.07
SAMI-3_	600V, J (65-100A)	7.03	1.30	2.33
SAMI-4_	250V, RK, K5, H (65-100A)	8.20	1.30	2.18
SAMI-5_	600V, RK, K5, H (35-60A)	8.20	1.30	2.18
SAMI-6_	600V, J (35-60A)	4.98	1.17	2.14
SAMI-7_	600V, Midget, Class CC, G (0-30A)	3.82	0.75	1.72
SAMI-8†_	600V, RK††, K5, H (65-100A)	10.38	1.50	2.33
SAMI-9_	250V, RK, K5, H (0-30A) and 600V, T (0-30A)	3.82	0.75	1.72

*For indicating cover, add suffix "I", for non-indicating cover, add suffix "N".
Example: SAMI-7I = Indicating, SAMI-7N = Non-indicating.
**Available in non-indicating only.
†SAMI-8A adapter available for small Fusetron® body design. SAMI-8I and SAMI-8N come standard with adapter (SAMI-8A).
††Not for use with KTS-R fuses.

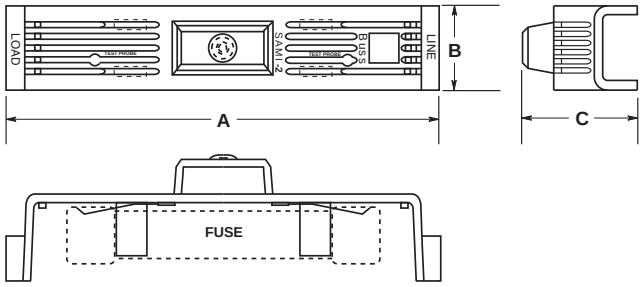
Features and Benefits

- Insulated cover allows field conversion of fuses mounted in open fuse blocks to dead front configuration.
- Optional open fuse indicating light aids in system troubleshooting.
- Units are re-usable.
- Allows visual marking of line and load side of fuses.

Typical Applications

- Class H, R and J fuse blocks up to 100A
- Class T fuse blocks up to 60A
- Class CC, G and Midget, 30A fuse blocks

Dimensions



Data Sheet: 1204 (Trimming Guides: 12041, 12042, 12043, 12044, 12045, 12046, 12048, 12049)

Class H(K) and R Fuse Blocks – 250V

H250 & R250 Series

Specifications

Descriptions:

H250 Series: 1-, 2- and 3-pole fuse blocks for use with Class H fuses.

R250 Series: 1-, 2- and 3-pole fuse blocks for use with Class R fuses (Cooper Bussmann LPN-RK and FRN-R, DLN-R and KTN-R fuses).

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 250Vac/dc (H250 & R250 Series)

Amps: — 1/10-600A

SCCR: — H250 Series; 10kA RMS Sym.

— R250 Series; 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Features and Benefits

- H250 fuse blocks provide one, two and three pole housing for Class H, K and R fuses at 250Vac.
- H250 fuse blocks are listed with a Short-Circuit Current Rating of 10kA RMS Sym.
- R250 fuse blocks provide one, two and three pole housing for Class R fuses at 250Vac.
- R250 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

Typical Applications

- 250Vac/dc or less Control Systems
- 250Vac/dc or less Industrial Control
- 250Vac/dc or less Industrial Control Circuits

Recommended DIN rail adapters for the 1/10-30A series

• see page 413.

Class H Fuseblocks (250V) Catalog Data (for NON and REN Fuses)

Amps	Poles	Terminal Type (Suffix No.)									Figure Number	Wire Range
		Screw					Box Lug w/					
		Catalog Number	—	Clip with Reinforced Spring	Pressure Plate	Pressure Plate & Clip with Reinforced Spring	—	Clip with Reinforced Spring	Copper Only	0.25″ Quick Connect		
1/10	1	H25030-1	S	SR	P	PR	C	CR	—	Q	1	C, CR #2-14 Cu, #2-12 Al P, PR #10-18 Cu Only Q N/A S, SR #10-18 Cu Only
to	2	H25030-2	S	SR	P	PR	C	CR	—	—	2	
30	3	H25030-3	S	SR	P	PR	C	CR	—	—	3	
31	1	H25060-1	—	—	—	—	C	CR	CO	—	4	C, CR #2-14 Cu, #2-8 Al CO #2-14 Cu Only
to	2	H25060-2	—	—	—	—	C	CR	CO	—	5	
60	3	H25060-3	—	—	—	—	C	CR	CO	—	6	
61	1	H25100-1	—	SR	—	—	—	CR	—	—	7	CR #1/0-8 Cu/Al SR #8W/ Ring Terminal
to	2	H25100-2	—	SR	—	—	—	CR	—	—	8	
100	3	H25100-3	—	SR	—	—	—	CR	—	—	9	
101 to 200	1	H25200-1	—	—	—	—	—	CR	—	—	10	CR 250kcmil-6 Cu/Al
	3	H25200-3	—	—	—	—	—	CR	—	—	11	
201 to 400	1	H25400-1	—	—	—	—	—	CR*	—	—	12	CR 500kcmil-4 Cu/Al
	3	H25400-3	—	—	—	—	—	CR†	—	—	13	
401 to 600	1	H25600-1	—	—	—	—	—	CR	—	—	14	CR (2) 500kcmil-4/0 Cu/Al
	3	H25600-3	—	—	—	—	—	CR†	—	—	15	

*UL Recognized, No CSA Certification.

†No UL, No CSA Certification.

Data Sheet: H250 Series, 1112; R250 Series, 1110

COOPER Bussmann

Class H(K) and R Fuse Blocks – 250V

Class R Fuseblocks (250V) Catalog Data (for LPN-RK, FRN-R, DLN-R and KTN-R Fuses)

Amps	Poles	Catalog Number	Terminal Type (Suffix No.)					Fig. No.	Wire Range
			Screw w/		Box Lug w/		0.25" Quick-Connect		
			—	Pres. Plate	—	Clip Cu Only			
1/10	1	R25030-1	SR	PR	CR	COR	QR*	1	COR #6-14 Cu Only
to	2	R25030-2	SR	PR	CR	COR	—	2	CR #2-14 Cu, #2-12 Al
30	3	R25030-3	SR	PR	CR	COR	—	3	PR #10-18 Cu Only QR N/A SR #10-18 Cu Only
31	1	R25060-1	—	—	CR	—	—	4	CR #2-14 Cu, #2-8 Al
to	2	R25060-2	—	—	CR	—	—	5	
60	3	R25060-3	—	—	CR	—	—	6	
61	1	R25100-1	—	—	CR	—	—	7	CR 1/0-8 Cu/Al
to	2	R25100-2	—	—	CR	—	—	8	
100	3	R25100-3	—	—	CR	—	—	9	
101	1	R25200-1	—	—	CR	—	—	10	CR 250kcmil-6 Cu/Al
to	3	R25200-3	—	—	CR	—	—	11	
200									
201	1	R25400-1	—	—	CR‡	—	—	12	CR 500kcmil-4/0 Cu/Al
to	3	R25400-3	—	—	CR†	—	—	13	
400									
401	1	R25600-1	—	—	CR	—	—	14	CR 500kcmil-4/0 Cu/Al
to	3	R25600-3	—	—	CR†	—	—	15	
600									

*UL Recognized, No CSA Certification.
†No UL, No CSA Certification.
‡UL Recognized, CSA Certification

Dimensions – in

250V 1/10 to 30A

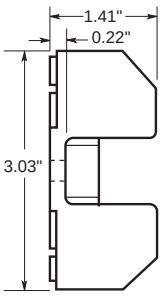
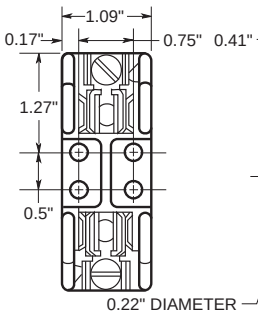


FIGURE 1.



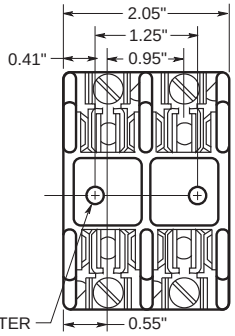


FIGURE 2.

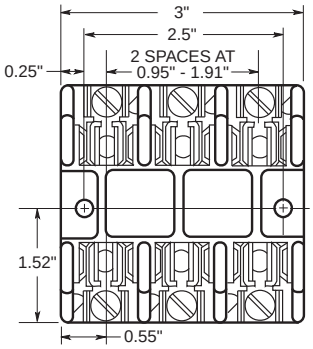


FIGURE 3.

250V, 31A to 60A

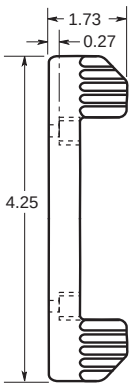
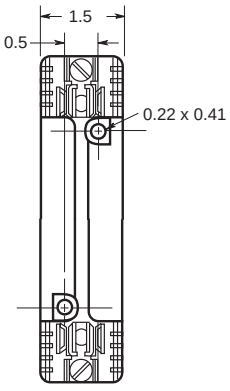


FIGURE 4.



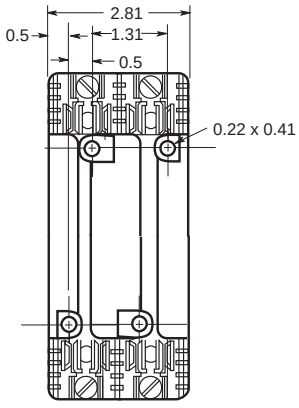


FIGURE 5.

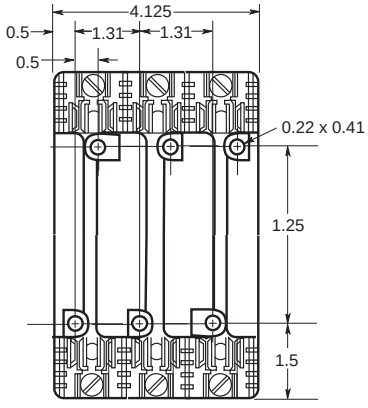


FIGURE 6.

Data Sheet: H250 Series, 1112; R250 Series, 1110

Class H(K) and R Fuse Blocks – 250V

250V, 61A to 100A

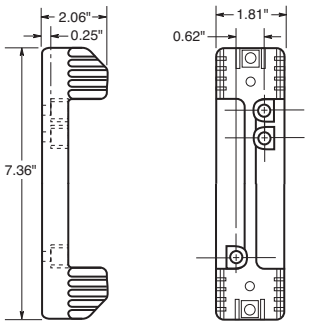


FIGURE 7.

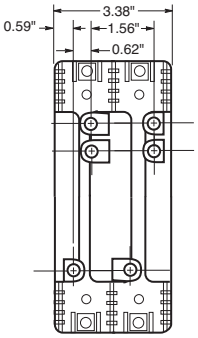


FIGURE 8.

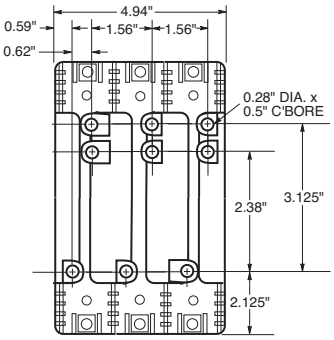


FIGURE 9.

250V, 101A to 200A

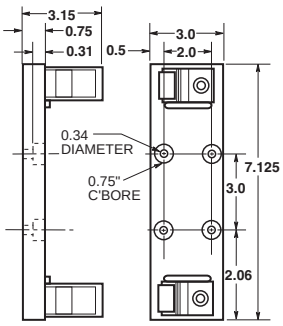


FIGURE 10.

250V, 101A to 200A

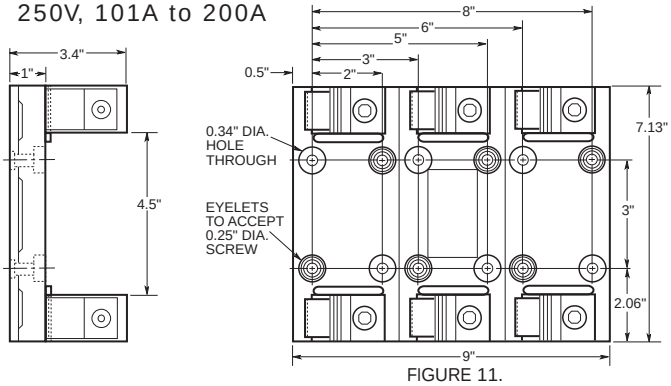


FIGURE 11.

250V, 201A to 400A

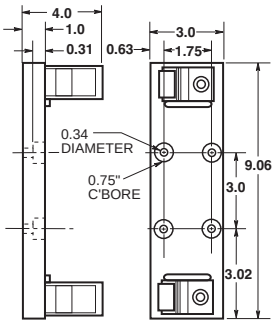


FIGURE 12.

250V, 201A to 400A

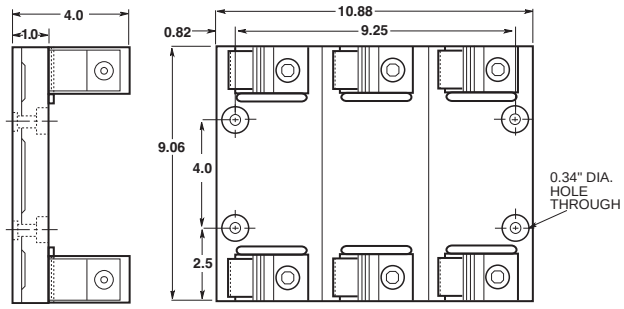


FIGURE 13.

250V, 401A to 600A

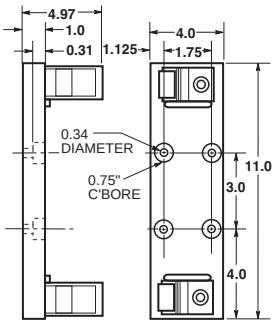


FIGURE 14.

250V, 401A to 600A

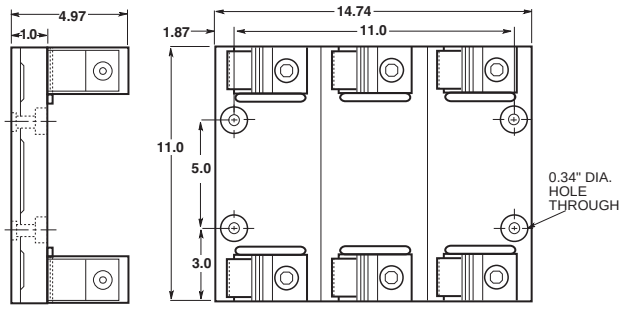


FIGURE 15.

Data Sheet: H250 Series, 1112; R250 Series, 1110

Class H(K) and R Fuse Blocks – 600V

H600 & R600 Series

Specifications
Descriptions:
H600 Series: fuse blocks for use with 1-, 2- and 3-pole Class H fuses.
R600 Series: fuse blocks for use with 1-, 2- and 3-pole Class R fuses (Cooper Bussmann LPS-RK, FRS-R, DLS-R and KTS-R fuses).

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 600Vac/dc (H600 & R600 Series)

Amps: — 1/10-600A

SCCR: — H600 Series; 10kA RMS Sym.
— R600 Series; 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

H60030-3C

H60030-2PR

Features and Benefits

- H600 fuse blocks provide one-, two- and three-pole housing for Class H, K and R fuses at 600Vac.
- H600 fuse blocks are listed with a Short-Circuit Current Rating of 10kA RMS Sym.
- R600 fuse blocks provide one, two and three pole housing for Class R fuses at 600Vac.
- R600 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

Typical Applications

- 600Vac/dc or less Control Systems
- 600Vac/dc or less Industrial Control
- 600Vac/dc or less Individual Control Circuits

Class H Fuseblocks (600V) Catalog Data (for NOS and RES Fuses)

Amps	Poles	Terminal Type (Suffix No.) — Screw — Catalog Number	—	Clip with Reinforced Spring	Pressure Plate	Pressure Plate & Clip with Reinforced Spring	Box Lug w/ —	Box Lug w/ Clip with Reinforced Spring	Figure Number	Wire Range
1/10	1	H60030-1	S	SR	P	PR	C	CR	1	C, CR #2-14 Cu, #2-12 Al P, PR, S, SR #10-18 Cu Only
to	2	H60030-2	S	SR	P	PR	C	CR	2	
30	3	H60030-3	S	SR	P	PR	C	CR	3	
31	1	H60060-1	—	—	—	—	C	CR	4	C, CR #2-14 Cu, #2-8 Al
to	2	H60060-2	—	—	—	—	C	CR	5	
60	3	H60060-3	—	—	—	—	C	CR	6	
61	1	H60100-1	—	—	—	—	—	CR	7	CR #1/0-8 Cu/Al
to	2	H60100-2	—	—	—	—	—	CR	8	
100	3	H60100-3	—	—	—	—	—	CR	9	
101 to 200	1	H60200-1	—	—	—	—	—	CR	10	CR 250kcmil-6 Cu/Al
	3	H60200-3	—	—	—	—	—	CR	11	
201 to 400	1	H60400-1	—	—	—	—	—	CR‡	12	CR 500kcmil-4 Cu/Al
	3	H60400-3	—	—	—	—	—	CR†	13	
401 to 600	1	H60600-1	—	—	—	—	—	CR	14	CR (2) 500kcmil-4/0 Cu/Al
	3	H60600-3	—	—	—	—	—	CR†	15	

†No UL, No CSA Certification.
‡UL Recognized, CSA Certification

Class H(K) and R Fuse Blocks – 600V

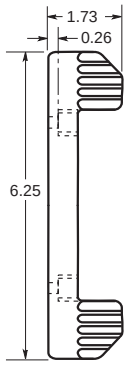
Class R Fuseblocks (600V) Catalog Data (for LPS-RK, FRS-R, DLS-R and KTS-R Fuses)

Amps	Poles	Catalog Number	Terminal Type (Suffix No.)				Fig. No.	Wire Range
			Screw w/		Box Lug w/			
			—	Pres. Plate	—	Clip Cu Only		
⅒	1	R60030-1	SR	PR	CR	—	1	COR #6-14 Cu Only
to	2	R60030-2	SR	PR	CR	COR	2	CR #2-14 Cu, #2-12 Al
30	3	R60030-3	SR	PR	CR	COR	3	PR, SR #10-18 Cu Only
31	1	R60060-1	—	—	CR	—	4	CR #2-14 Cu, #2-8 Al
to	2	R60060-2	—	—	CR	—	5	
60	3	R60060-3	—	—	CR	—	6	
61	1	R60100-1	—	—	CR	—	7	CR, 1/0-8 Cu/Al
to	2	R60100-2	—	—	CR	—	8	
100	3	R60100-3	—	—	CR	—	9	
101	1	R60200-1	—	—	CR		10	CR
to								250kcmil-6 Cu/Al
200	3	R60200-3	—	—	CR	—	11	
201	1	R60400-1	—	—	CR‡	—	12	CR 500kcmil-4 Cu/Al
to								
400	3	R60400-3	—	—	CR†	—	13	
401	1	R60600-1	—	—	CR	—	14	CR (2) 500kcmil-4/0 Cu/Al
to								
600	3	R60600-3	—	—	CR†	—	15	

†No UL, No CSA Certification.
‡UL Recognized, CSA Certification

Dimensionals – in

600V, ⅒ to 30A



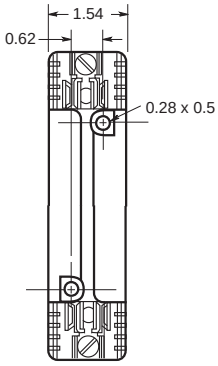


FIGURE 1.

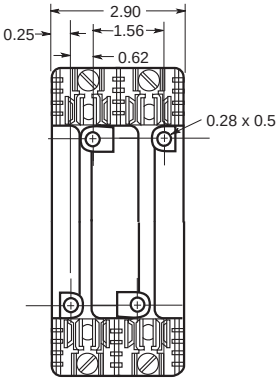


FIGURE 2.

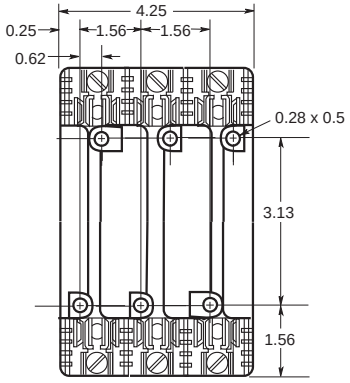
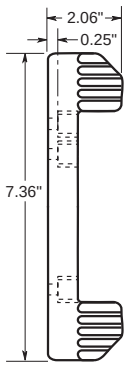


FIGURE 3.

600V, 31 to 60A



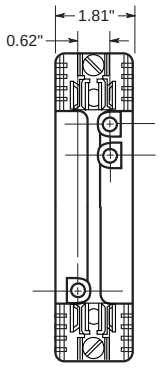


FIGURE 4.

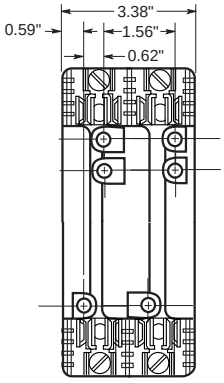


FIGURE 5.

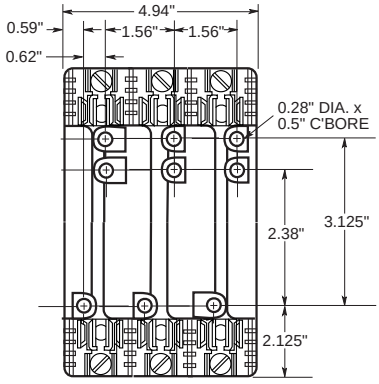


FIGURE 6.

Data Sheet: H600 Series, 1113; R600 Series, 1111

Class H(K) and R Fuse Blocks – 600V

600V, 61 to 100A

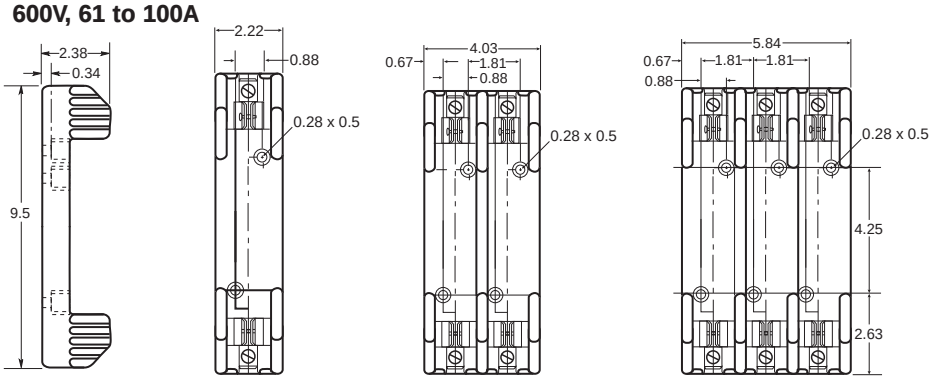


FIGURE 7. FIGURE 8. FIGURE 9.

600V, 101 to 200A

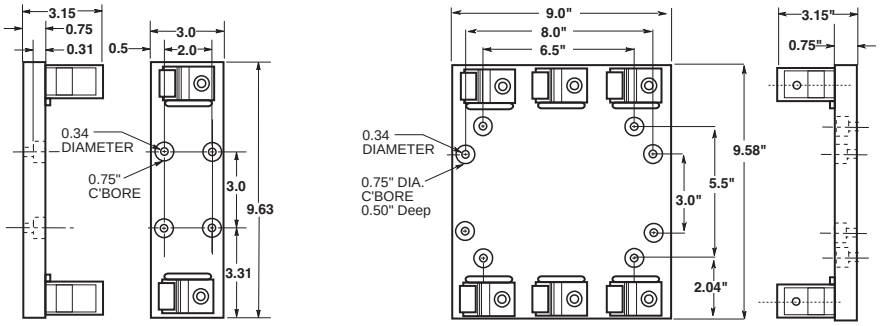


FIGURE 10. FIGURE 11.

600V, 201 to 400A

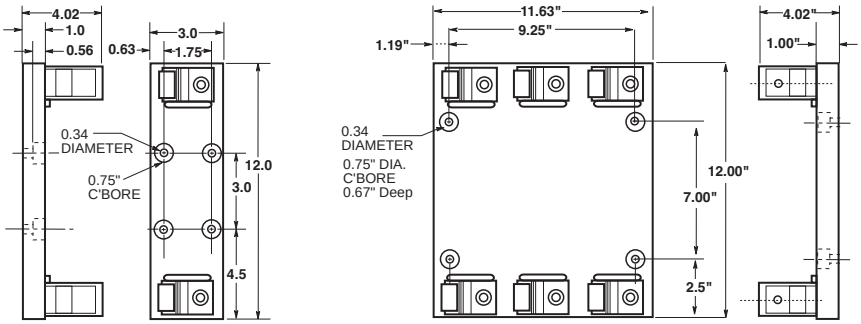


FIGURE 12. FIGURE 13.

600V, 401 to 600A

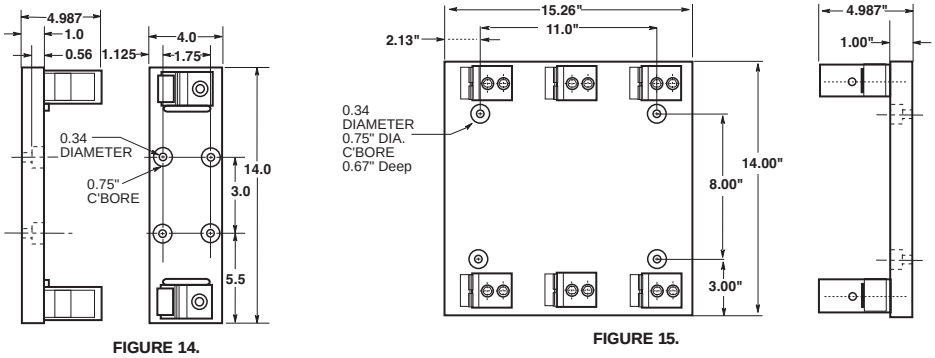


FIGURE 14. FIGURE 15.

Data Sheet: H600 Series, 1113; R600 Series, 1111

Class J Fuse Blocks

J600 Series

Specifications

Description: 1-, 2- or 3-pole fuse blocks for use with Class J fuses (Cooper Bussmann® LPJ, DFJ and JKS).

Dimensions: See Dimensions illustrations.

Construction: Thermoplastic.

Poles: 1 to 3

Ratings:

Volts: — 600Vac/dc

Amps: — ½-600A

SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Mounting: Accepts DIN rail adapter DRA-1.

Features and Benefits

- J600 fuse blocks provide one-, two- and three-pole housing for Class J fuses at 600Vac.
- J600 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

Typical Applications

- 600Vac/dc or less Control Systems
- 600Vac/dc or less Industrial Control
- 600Vac/dc or less Individual Control Circuits

Catalog Numbers

Catalog Numbers							
Screw†	Pressure Plate†	Box Lug	Box Lug w/ Retaining Clip	Amps	Poles	Fig. No.	Wire Range
J60030-1S*	J60030-1P	J60030-1C	J60030-1CR††	½-30	1	1	C, CR #2-14 Cu, #2-8 Al
J60030-2S*	J60030-2P	J60030-2C	J60030-2CR††		2	2	COR #2-14 Cu Only
J60030-3S*	J60030-3P	J60030-3C	J60030-3CR††		3	3	P, PR, S, SR #10-14 Cu Only
—	—	J60060-1C	J60060-1CR††	31-60	1	1	C, CR, #2-14 Cu/Al COR #4-14 Cu Only
—	—	J60060-2C	J60060-2CR††		2	2	
—	—	J60060-3C	J60060-3CR††		3	3	
—	—	—	J60100-1CR	61-100	1	4	COR 1/0-8 Cu Only
—	—	—	J60100-3CR††		3	5	CR, CRQ 1/0-8 Cu/Al
—	—	—	J60200-1CR	101-200	1	6	CR 250kcmil-6 Cu/Al
—	—	—	J60200-3CR		3	7	
—	—	—	J60400-1CR**	201-400	1	8	CR 500kcmil -4 Cu/Al
—	—	—	J60400-3CR**		3	9	
—	—	—	J60600-1CR	401-600	1	10	CR (2) 500kcmil-4/0 Cu/Al
—	—	—	J60600-3CR*		3	11	

†Clip reinforcing springs are standard on fuse blocks rated 100A and above. Available on 30A and 60A blocks by adding the letter "R" to the end of the part number.
††Copper only connections available by changing "CR" suffix to "COR".
*No UL, No CSA Certification
**UL Recognized, CSA Certification

Dimensions - in (±0.015)

½ - 60A

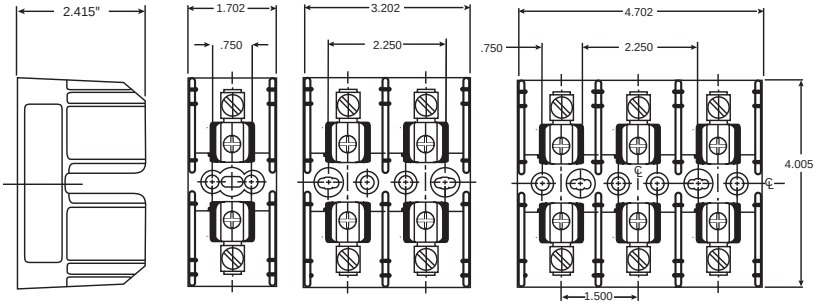


FIGURE 1. FIGURE 2. FIGURE 3.

61-100A

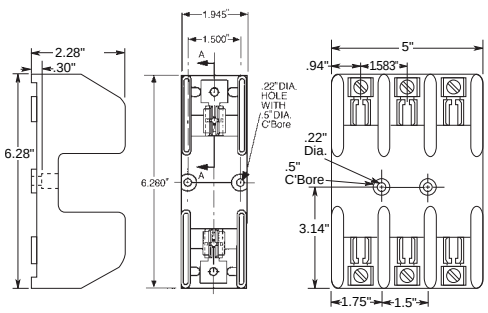


FIGURE 4. FIGURE 5.

Data Sheet: 1114

Class J Fuse Blocks

101-200A

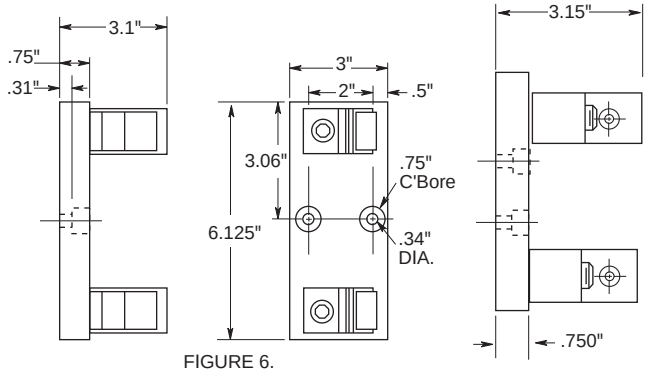


FIGURE 6.

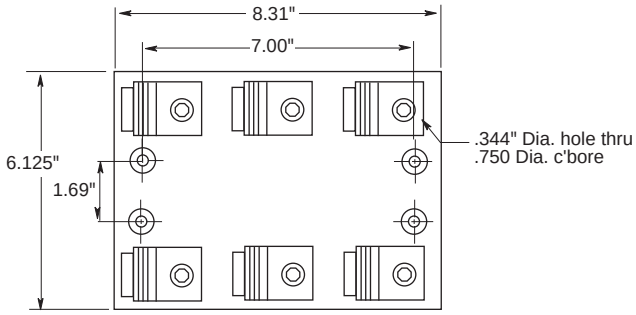


FIGURE 7.

201-400A

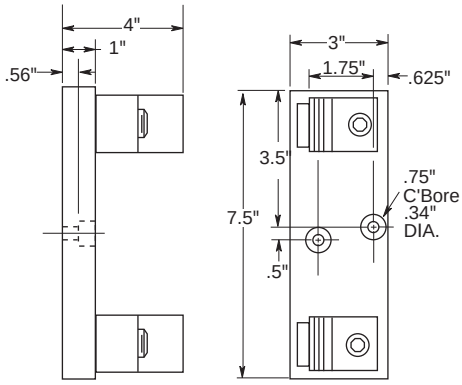
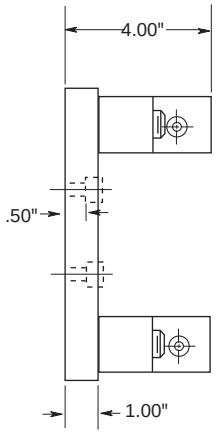


FIGURE 8.



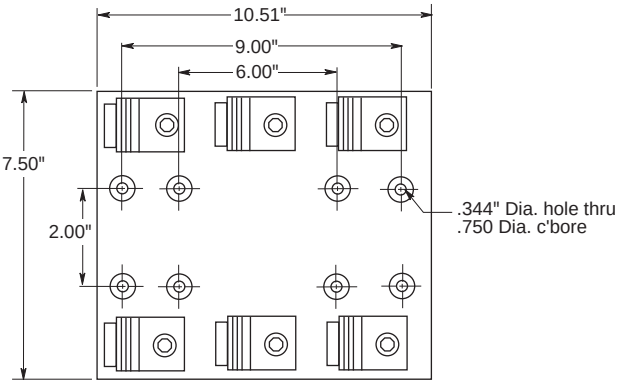


FIGURE 9.

401-600A

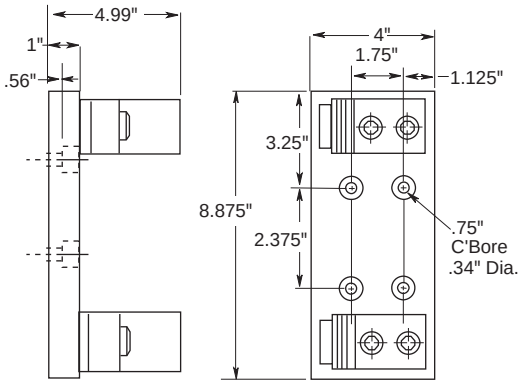


FIGURE 10.

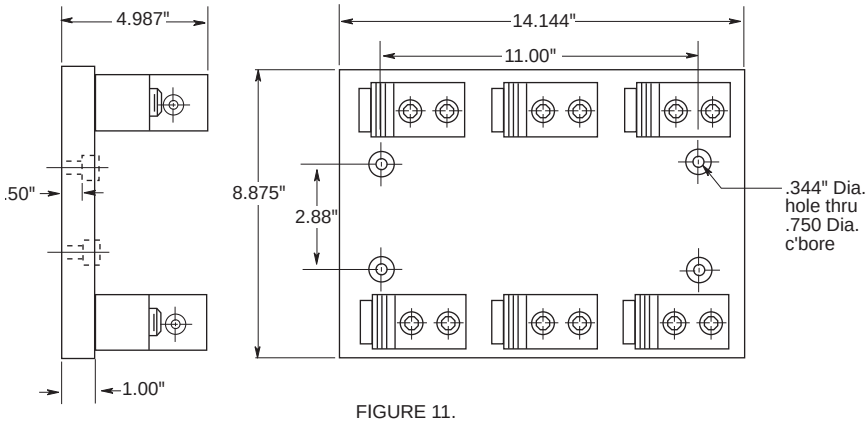


FIGURE 11.

Class J Fuse Blocks

JP Series

Specifications

Description: Pyramid style 3-pole fuse block for use with Class J fuses (Cooper Bussmann® LPJ, DFJ, JKS).

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 600Vac/dc

Amps: — 0-30A

SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 39, Class 4225-04, File 47235.

Flammability Rating: UL 94V0.

Mounting: Panel or 35mm DIN rail mount.

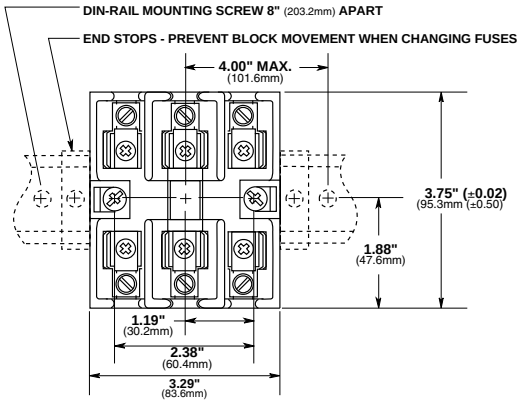
To order DIN rail: Part# NDNA 100 (1 meter) or NDNA 200 (2 meter).

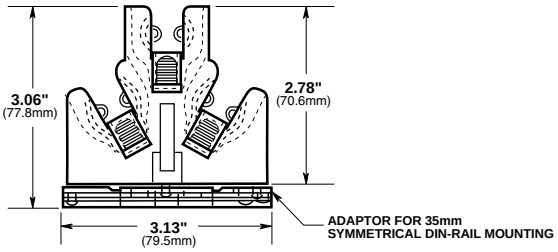
Catalog Numbers

Catalog Numbers	Mounting: Panel	Mounting: With DIN Rail Adapter*	Mounting: Screws with Pressure Plate	Box: Aluminum	Box: Copper Only	Wire Range
JP60030-3PR	X		X			#10-14 Cu Only
JP60030-3CR	X			X		#2-14 Cu/Al
JP60030-3COR	X				X	#2-14 Cu Only
JP60030-3PRA		X	X			#10-14 Cu Only
JP60030-3CRA		X		X		#2-14 Cu/Al
JP60030-CORA		X			X	#2-14 Cu Only

*Adapter only for DIN rail - Cat No. JPA-3.

Dimensions - in (mm) ± 0.015" (± 0.40mm)





Data Sheet:1108

JA60030 Add-a-pole

Specifications

Description: Adder fuse block to achieve number of poles desired, for use with Class J fuses (Cooper Bussmann LPJ, DFJ & JKS).

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 600Vac/dc

Amps: — 0-30A

SCCR: — 200kA RMS Sym.

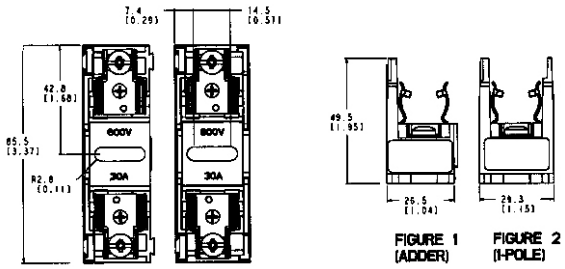
Agency Information: UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Mounting: Panel or 35mm DIN rail mount.

Features: Panel and DIN rail mount, adder block, retaining clip

Dimensions - in (mm)



Amps	Poles	Screw	Screw w/Retaining Clip	Pressure Plate	Pressure Plate w/Retaining Clip	Box Lug	Box Lug w/Retaining Clip	Wire Range (Cu Only)
½ - 30	ADDER	JA60030-AS	JA60030-ASR	JA60030-AP	JA60030-APR	JA60030-AC	JA60030-ACR	S, SR, P, PR 10 - 18 AWG C, CR, 10 - 14 AWG
	1	JA60030-1S	JA60030-1SR	JA60030-1P	JA60030-1PR	JA60030-1C	JA60030-1CR	
	2	JA60030-2S	JA60030-2SR	JA60030-2P	JA60030-2PR	JA60030-2C	JA60030-2CR	
	3	JA60030-3S	JA60030-3SR	JA60030-3P	JA60030-3PR	JA60030-3C	JA60030-3CR	

Class T Fuse Blocks – 300V

T300

Specifications

Description: T300 (300V) fuse blocks for use with Class T fuses (Cooper Bussmann® JJN).

Dimensions: See Dimensions illustrations.

Poles: 1 to 4

Ratings:

Volts: — 300Vac/dc

Amps: — ½ - 600A

SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853, CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Features and Benefits

- Provide 1-, 2- and 3-pole housing for 300Vac Class T fuses.
- Short-Circuit Current Rating of 200kA RMS Sym.
- Class T fuse blocks have a small foot print, providing substantial space savings in equipment

Typical Applications

- 300Vac/dc or less Control Systems
- 300Vac/dc or less Individual Control Circuits

Catalog Numbers

Catalog Numbers					
Screw	**Box Lug**	**Amps**	**Poles**	**Fig. No.**	**Wire Range**
T30030-2SR	T30030-2CR	½-30	2	1	SR #10-18 Cu CR #6-14 Cu/Al
T30030-3SR	T30030-3CR		3		
T30030-4SR	T30030-4CR		4		
T30060-2SR	T30060-2CR	31-60	2		CR #2-14 Cu/Al SR #10-18 Cu Only
T30060-3SR	T30060-3CR		3		
T30060-4SR	T30060-4CR		4		
—	T30100-1CR	61-100	1	2	1/0-8 Cu/Al
—	T30100-2CR		2		
—	T30100-3CR		3		
—	T30200-1C	101-200	1	3	250kcmil-6 Cu/Al
—	T30200-3C		3	4	
—	T30400-1C	201-400	1	5	600kcmil-2/0 Cu/Al
—	T30600-1C	401-600	1	6	(2) 600kcmil-4/0 Cu/Al

T30100-1CR

T30030-2CR

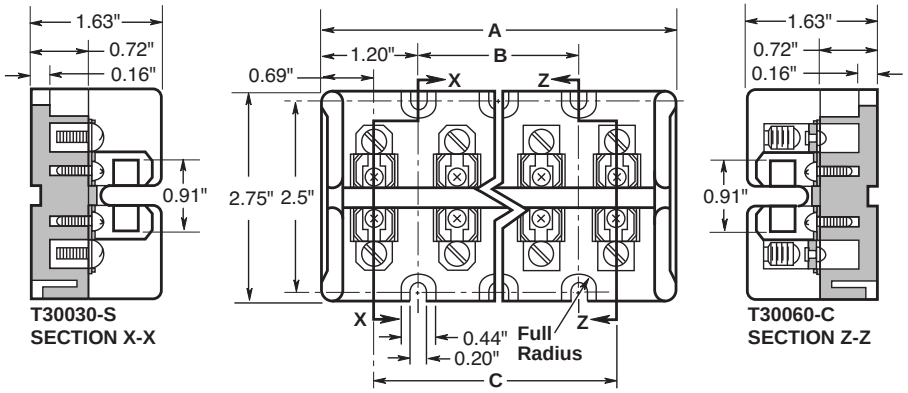
T30600-1C

Class T Fuse blocks (300V) Catalog Numbers

Catalog Numbers	Dimensions (in) A	B	C
T30030-2	2.41	—	1.03
T30060-2	2.41	—	1.03
T30030-3	3.44	1.03	2.06
T30060-3	3.44	1.03	2.06
T30030-4	4.47	2.06	3.09
T30060-4	4.47	2.06	3.09

Fuse Holders & Blocks

Dimensions - in **Figure 1. ½-60A**



Data Sheet: 1115

Class T Fuse Blocks – 300V

Figure 2. 61 to 100A

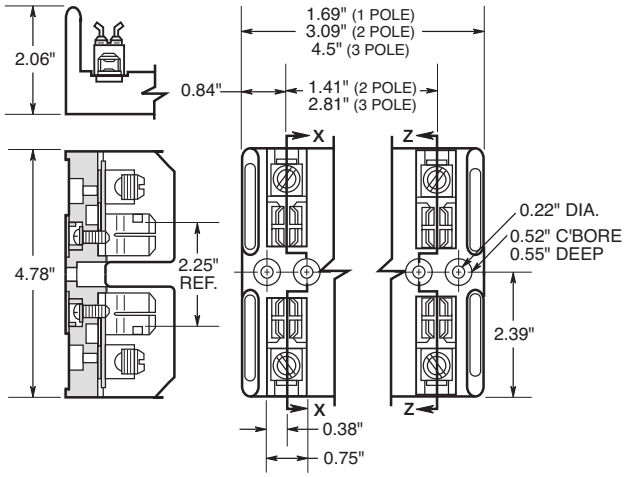


Figure 3. 101 to 200A

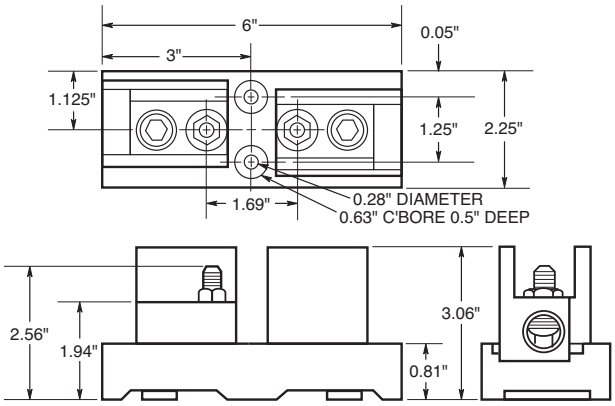


Figure 4. 200A

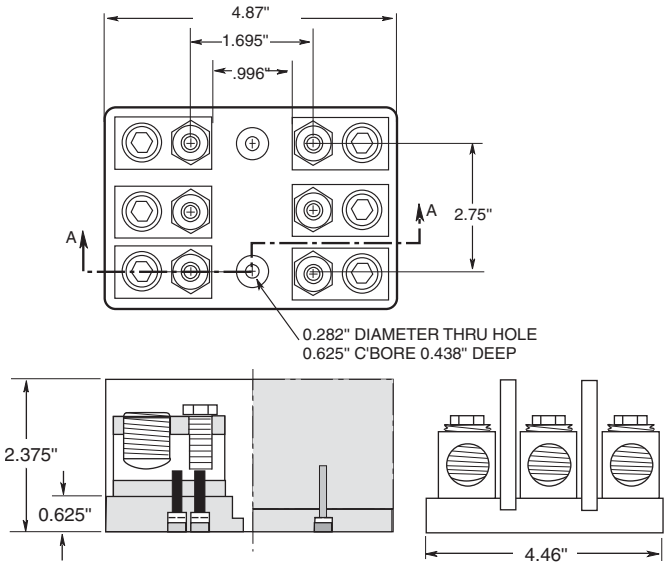


Figure 5. 201 to 400A

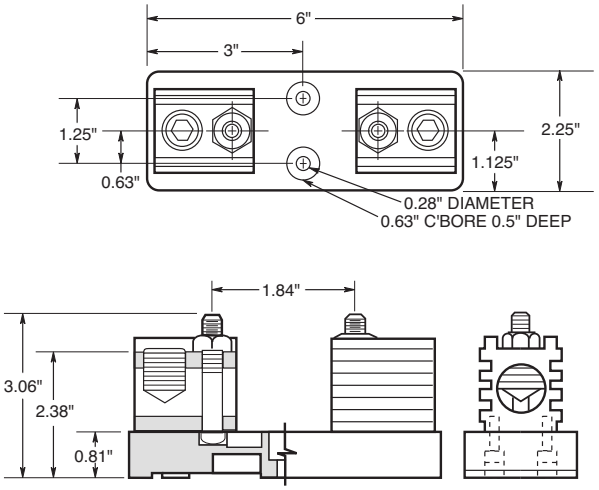
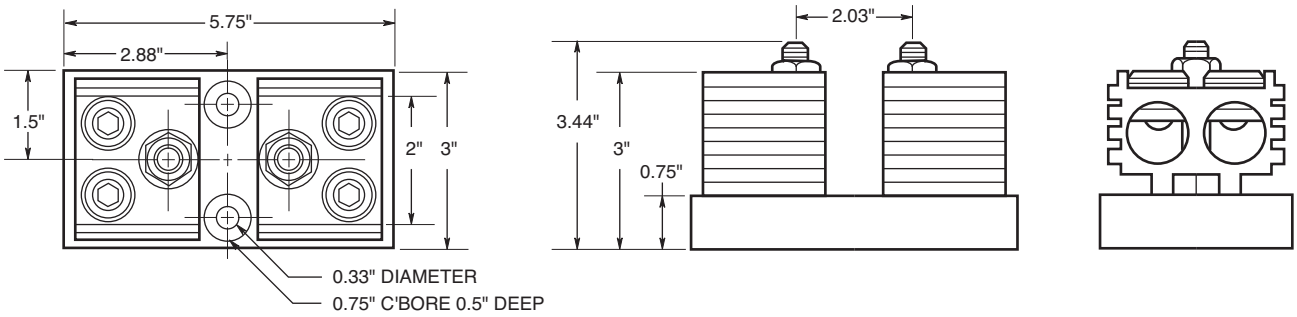


Figure 6. 401 to 600A



Data Sheet: 1115

Class T Fuse Blocks – 600V

T600

Specifications

Description: T600 (600V) fuse blocks for use with Class T fuses (Cooper Bussmann® JJS).

Dimensions: See Dimensions illustrations.

Poles: 1 to 3

Ratings:

Volts: — 600Vac/dc

Amps: — ½ - 600A

SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853, CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Features and Benefits

- Provide 1-, 2- and 3-pole housing for 600Vac Class T fuses.
- Short-Circuit Current Rating of 200kA RMS Sym.
- Class T fuse blocks have a small foot print, providing substantial space savings in equipment

Typical Applications

- 600Vac/dc or less Control Systems
- 600Vac/dc or less Individual Control Circuits

T60600-1C

T30030-2CR

Catalog Numbers

Catalog Numbers					
Screw	Box Lug	Amps	Fig. Poles	No.	Wire Range
T60030-1SR	T60030-1CR	½-30	1	1	SR #10-18 Cu CR #2-14 Cu/Al
T60030-2SR	T60030-2CR		2		
T60030-3SR	T60030-3CR		3		
T60060-1SR	T60060-1CR	31-60	1	2	CR #2-14 Cu/Al SR #10-18 Cu Only
T60060-2SR	T60060-2CR		2		
T60060-3SR	T60060-3CR		3		
—	T60100-1C	61-100	1	3	2/0-14 Cu/Al
—	T60100-2C		2		
—	T60100-3C		3		
—	T60200-1C	101-200	1	4	250kcmil-6 Cu/Al
—	1B0089*		3		
—	T60400-1C	201-400	1	5	600kcmil-2/0 Cu/Al
—	T60600-1C	401-600	1	6	(2) 600kcmil-4/0 Cu/Al

* UL Listed, Guide IZLT, File E14853, CSA Certified Class 6225-01, File 21455M18

Dimensions - in

Figure 1. ½ to 30A

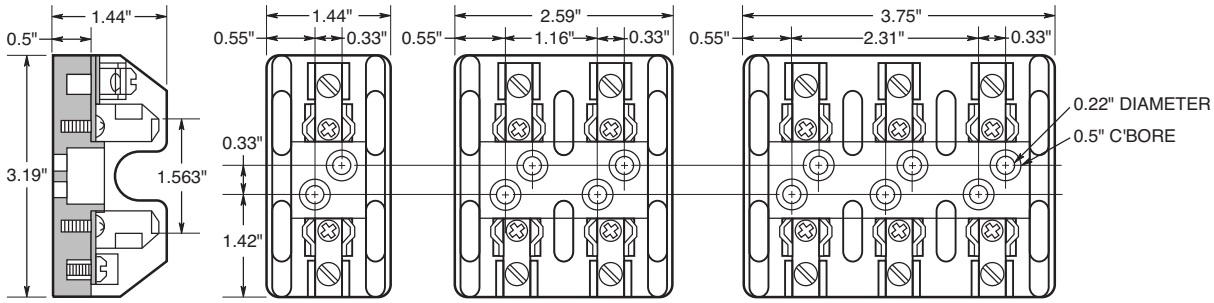
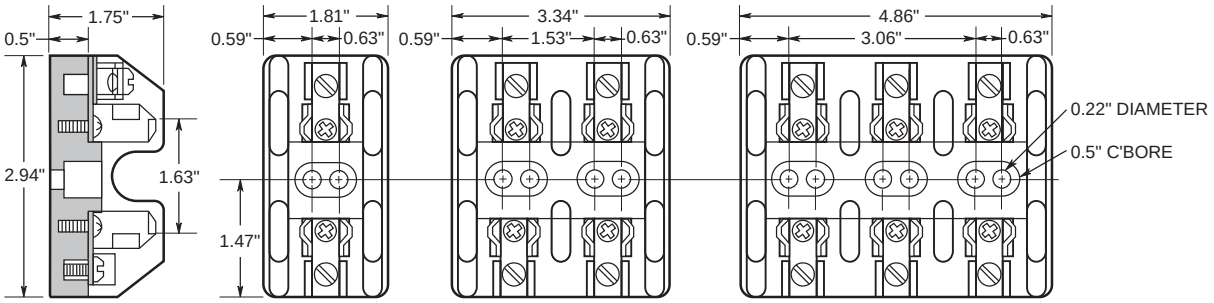


Figure 2. 31 to 60A



Data Sheet: 1116

Class T Fuse Blocks – 600V

Figure 3. 61 to 100A

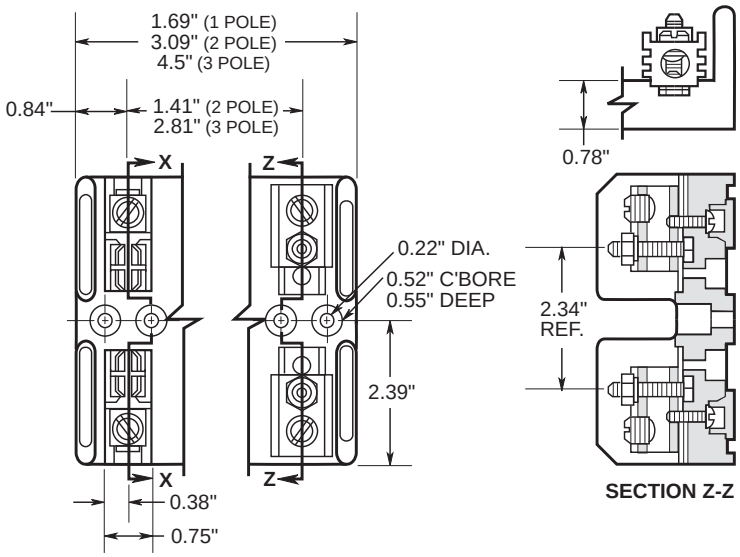


Figure 4. 101 to 200A

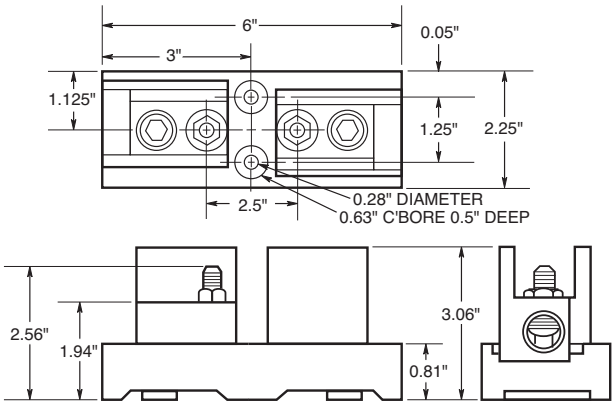


Figure 5. 201 to 400A

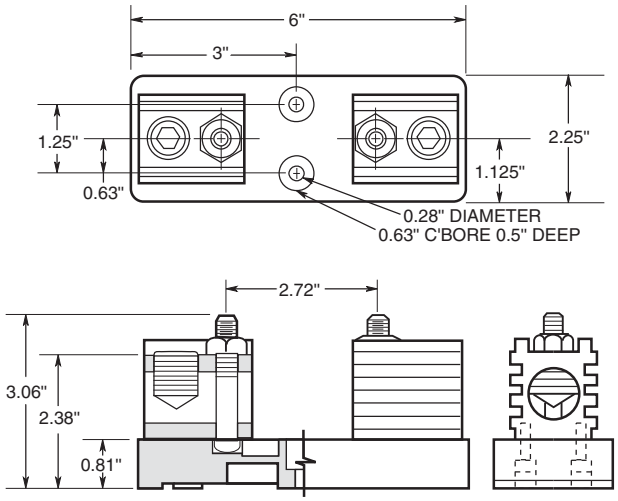
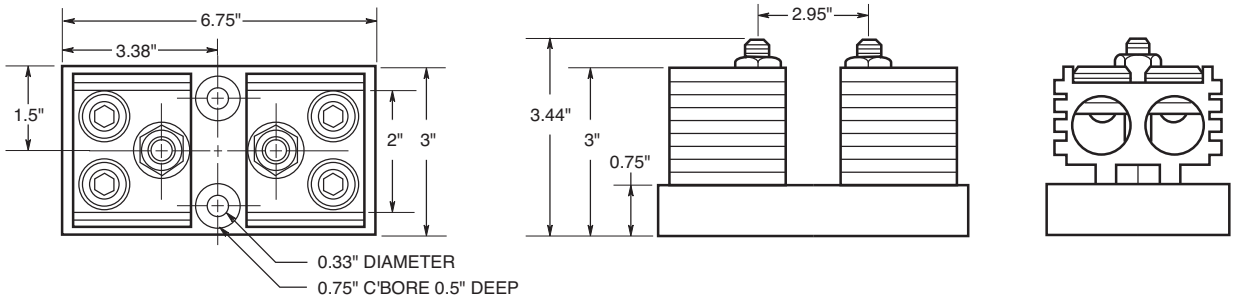


Figure 6. 401 to 600A



Data Sheet: 1116

COOPER Bussmann

Add-a-pole Fuse Blocks

BCA Series - Class CC fuses
BMA Series - 13/32" X 1 ½" fuses

Adder Block

1-Pole

2-Pole

3-Pole

Specifications

Description: 1-, 2 and 3-pole fuse blocks for use with Class CC fuses (BCA Series use Cooper Bussmann® LP-CC, KTK-R, and FNQ-R), or with standard 13/32" x 1 ½" fuses (BMA Series use Cooper Bussmann® KTK, FNQ, FNM, BAF, PV and AGU) Both Series use an "adder block" to form multi-pole segmented blocks to achieve the desired number of poles.

Dimensions: See Dimensions illustration.

Poles: 1 to 3.

Wire Range: #10-#18 Cu only.

Terminals: Screw/quick connect* or pressure plate/quick connect*.

Ratings:

Volts: — 600Vac/dc

Amps: — 1/10-30A

SCCR: — BCA Series: 200kA RMS Sym.
BMA Series: 10kA RMS Sym.

Agency Information:

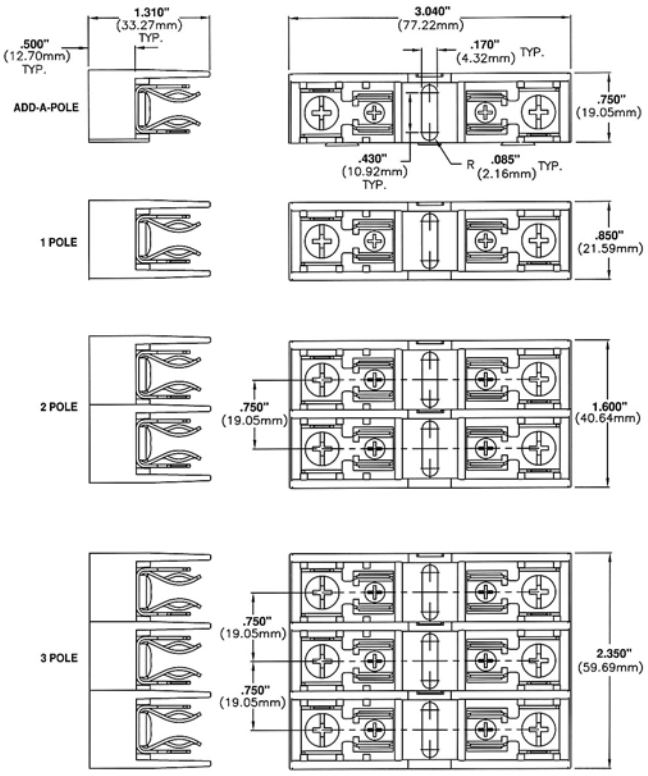
BCA Series: CE, UL Listed, UL 4248, Guide IZLT, File E14853. CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

BMA Series: CE, UL Recognized, UL 4248, Guide IZLT2, File E14853. CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

Flammability Rating: UL 94V0

*Quick connect rated for 20A maximum.

Dimensions in ± 0.015" (mm 0.38mm)



Catalog Numbers

BCA Series

Catalog Numbers	Poles	Terminal Type
BCA603ASQ	Adder Block	Screw w/ quick connect
BCA6031SQ	1	Screw w/ quick connect
BCA6032SQ	2	Screw w/ quick connect
BCA6033SQ	3	Screw w/ quick connect
BCA603APQ	Adder Block	Pressure plate w/ quick connect
BCA6031PQ	1	Pressure plate w/ quick connect
BCA6032PQ	2	Pressure plate w/ quick connect
BCA6033PQ	3	Pressure plate w/ quick connect

BMA Series

Catalog Numbers	Poles	Terminal Type
BMA603ASQ	Adder Block	Screw w/ quick connect
BMA6031SQ	1	Screw w/ quick connect
BMA6032SQ	2	Screw w/ quick connect
BMA6033SQ	3	Screw w/ quick connect
BMA603APQ	Adder Block	Pressure plate w/ quick connect
BMA6031PQ	1	Pressure plate w/ quick connect
BMA6032PQ	2	Pressure plate w/ quick connect
BMA6033PQ	3	Pressure plate w/ quick connect

Fuse Holders & Blocks

Data Sheets: BCA Series 1154, BMA Series 1155

Class CC, Type M and Class G Fuse Blocks

BC Series

Specifications

Description: Class CC fuse blocks for use with Class CC fuses (Cooper Bussmann LP-CC, KTK-R, and FNQ-R).

Dimensions: See Data Sheet 1105

Poles: 1 to 3

Ratings:

Volts: — 600V

Amps: — 1/10-30A

SCCR:— 200kA RMS Sym.

Agency Information: CE, UL Listed (Guide IZLT, File E14853), CSA (Class 6225-01, File 47235)

Flammability Rating: UL 94V0

DIN Rail Adapters: See page 413 for DRA-1 & DRA-2

Catalog Numbers

Terminal Type					
Screw	Screw with Quick Connect*	Pressure Plate	Pressure Plate w/ Quick Connect*	Box Lug	Poles
BC6031S	BC6031SQ	BC6031P	BC6031PQ	BC6031B	1
BC6032S	BC6032SQ	BC6032P	BC6032PQ	BC6032B	2
BC6033S	BC6033SQ	BC6033P	BC6033PQ	BC6033B	3

Data Sheet: 1105

BCCM Series

Description: 3-pole fuse block for use with (2) Class CC fuses and (1) 13/32" x 1½" fuse

Catalog Numbers

Catalog Numbers	Terminal Type
BCCM6033SQ	Screw with Quick-Connect*
BCCM6033PQ	Pressure Plate w/Quick-Connect*

*Quick-connect terminal rated for 20A max.

Recommended Cover Puller

- PF1-WH (White)
- PF1-BK (Black)

BM Series Type M

Specifications

Description: Supplementary fuse blocks for use with any 13/32" x 1½" fuses (Cooper Bussmann® KTK, FNQ, FNM, BAF, PV, and AGU).

Dimensions: See Data Sheet 1104

Poles: 1 to 3

DIN Rail Adapters: See page 413 for DRA-1 & DRA-2

Ratings:

Volts: — 600Vac/dc

Amps: — 1/10-30A

SCCR:— 10kA RMS Sym.

Agency Information: CE, UL Recognized (Guide IZLT2, File E14853), CSA (Class 6225-01, File 47235).

Flammability Rating: UL 94V0.

Catalog Numbers

Terminal Type			
Screw with Quick Connect*	Pressure Plate w/ Quick Connect*	Box Lug	Poles
BM6031SQ	BM6031PQ	BM6031B	1
BM6032SQ	BM6032PQ	BM6032B	2
BM6033SQ	BM6033PQ	BM6033B	3

Recommended Cover Puller

- PF1-WH (White)
- PF1-BK (Black)

Data Sheet: 1104

BG & G Series

Specifications

Description: Class G fuse blocks for use with Class G fuses (Cooper Bussmann SC).

Dimensions: See Data Sheet 1106

Poles: 1 to 3

Ratings:

Volts: — 600Vac/dc (0-20A)

— 480Vac/dc (25-60A)

Amps: — 1-60A (See Catalog Numbers table)

SCCR: — 100kA RMS Sym.

Agency Information: CE, UL Listed 35-60A (Guide IZLT, File E14853), UL Recognized 1-30A, (Guide IZLT2, File E14853), CSA (Class 6225-01, File 47235).

DIN Rail Adapters: See page 413 for DRA-1 & DRA-2.

Catalog Numbers

Terminal Type					
Screw with Quick Connect*	Pressure Plate w/ Quick Connect*	Box Lug	Box Lug w/retaining clip	Amps	Poles
BG3011SQ	BG3011PQ	BG3011B	—	1-15	1
BG3012SQ	BG3012PQ	BG3012B	—		2
BG3013SQ	BG3013PQ	BG3013B	—		3
BG3021SQ	BG3021PQ	BG3021B	—	20	1
BG3022SQ	BG3022PQ	BG3022B	—		2
BG3023SQ	BG3023PQ	BG3023B	—		3
BG3031S	BG3031P	BG3031B	—	25-30	1
BG3032S	BG3032P	BG3032B	—		2
BG3033S	BG3033P	BG3033B	—		3
—	—	—	G30060-1CR	35-60	1
—	—	—	G30060-2CR		2
—	—	G30060-3C	G30060-3CR		3

Recommended Cover Puller

- PF1-WH (White)
- PF1-BK (Black)

Data Sheet: 1106

Modular Fuse Blocks

BH Series

Specifications

Description: For use with Cooper Bussmann® high speed fuses.

Ratings:

SCCR: — 200kA RMS Sym. or fuse IR, whichever is lower.

Agency Information: CE, UL Recognized, Guide EZLT2, File No. E14853 up to 700V, CSA Certified, Class 6225-01, File No. 47235 up to 700V.

BH Series Features and Benefits

- BH fuse blocks provide a wide range of mounting configurations for Cooper Bussmann high speed fuses.
- BH fuse blocks have a Short-Circuit Current Rating of any installed fuse up to 200kA RMS Sym.

Typical Applications

- Solid State Control Circuits
- VFDs
- UPS Systems

Catalog Numbers

BH-0001	BH-0122	BH-2001	BH-3004
BH-0002	BH-1001	BH-2002	BH-3033
BH-0003	BH-1002	BH-2003	BH-3144
BH-0111	BH-1003	BH-2031	BH-3145
BH-0112	BH-1131	BH-2032	
BH-0113	BH-1132	BH-2033	
BH-0121	BH-1133	BH-3003	

Refer to the data sheet numbers below for the catalog code description information.

Data Sheet: (BH-0) 1200; (BH-1) 1201; (BH-2) 1202; (BH-3) 1203

Modular Type Fuse blocks for Class H & J Fuses

Specifications

Description: 3-Pole only, modular type fuse blocks for Class H & J fuses with standard reinforced retaining clips.

Ratings:

Volts: — 250V (0-60A See Catalog Numbers table)
— 600V (35-60A See Catalog Numbers table)

Amps: — 0-60A @ 250Vac/dc (See Catalog Numbers table)
— 35-60A@600V (See Catalog Numbers table)

SCCR: — Class J 200kA, Class H 10kA

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853, CSA Certified, Class 6225-01, File 47235.

Class H & J Features and Benefits

- H & J modular fuse blocks provide three pole 30 and 60 amp ratings for specific client requirements for separate line and load fuse clip configurations.

Typical Applications

- Up to 60A, space confined, control circuits

Catalog Numbers					
Screw	Pressure Plate	Fuse Class	Volts	Amps	Fig. No.
11241-3SR*	11241-3PR*	H	250	60	1
11242-3SR	11242-3PR				2
11241-3SR	11241-3PR		600	35	1
11242-3SR**	11242-3PR**				2
11239-3SR	11239-3PR			60	1
11240-3SR**	11240-3PR**				2
11241-3SR	11241-3PR	J		35	1
11239-3SR*	11239-3PR*			60	1

Note: Order two blocks per fuse (matched or mixed).
*11239 and 11241 have wire terminals and mounting holes located under fuse. (Figure 1)
**11240 and 11242 have wire terminals and mounting holes located at end of fuse. (Figure 2)

Figure 1

Figure 2

Box Cover Units for Plug Fuses

SOU, SRU, SSN, SSU, SOW, SRW, SSW, SOX, SRX, SSX, SOY, SRY, SSY, SSY-RL, SSY-L, STY, SCY, SOY-B & SKA

Specifications

Description: Box covers for standard electrical boxes that provide fused outlet, fused switch or circuit fuse protection.

Ratings:

Volts: — 125V/250V (See Catalog Numbers table)

Amps: — 0-15A (See Catalog Numbers table)

Agency Information: CE, See Catalog Numbers table.

Features/Benefits

- Cooper Bussmann® Box Cover Units provide a low-cost method of controlling and protecting small motors when used with Cooper Bussmann® Type T, Fusetron® , dual-element fuses.
- Provide low-cost supplementary protection and disconnection of 125V or less, single phase circuits.

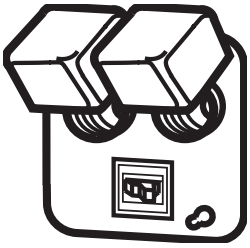
Typical Applications

- Fractional Horsepower, 125 Volt Single-Phase Motor Circuits
- General 125 Volt Supplemental Circuits

SOU

SRU

SSU



STY

SSN

Catalog Numbers

Catalog Numbers	Type Box	Fuse holder[3]		Receptacle Outlet to Load		Switch Control[1]	Switch Light[2]	Motor Size (Max)	General Data	Agency[4] Listing/ Certification
		Single	Double	125V	250V					
SOU	2¼" Handy	X						¾hp	125V, 15A	UL, CSA
SRU		X		X				½hp	125V, 15A	UL
SSU		X				X		½hp	125Vac, (do not use on dc), 15A	UL, CSA
SOW	2¾" Switch	X						¾hp	125V, 15A	UL, CSA
SRW		X		X				½hp	125V, 15A	UL
SSW		X				X		½HP	125Vac, (do not use on dc), 15A	UL, CSA
SOX	4" Octagon	X						¾hp	125V, 15A	UL, CSA
SRX		X		X				½hp	125V, 15A	UL
SSX		X				X		½hp	125Vac, (do not use on dc), 15A	UL, CSA
SOY	4" Square	X						¾hp	125V, 15A	UL, CSA
SRY		X		X				½hp	125V, 15A	UL
SSY		X				X		½hp	125Vac, (do not use on dc), 15A	UL, CSA
SSY-RL		X		X		X	X	½hp	125Vac, (do not use on dc), 15A	—
STY[3]			X			X		½hp	125Vac, (do not use on dc), 15A	UL
SCY			X			X(2)		½hp (2)	125Vac, (do not use on dc), can protect two motors, 15A	UL
SOY-B			X					¾hp	125V, protects two motors, 15A	UL
SKA	4 1/16" Square		X		X(15A)			2hp	250V, 15A single phase	UL
SSN	Single Gang	X		X		X		½hp	Weatherproof model, 15A	UL

1 Switch turns power to fused load OFF or ON.
2 Switch light indicates power to load (dark when switch OFF or fuse open).
3 Double pole switch opens both sides of circuit. Can be used for two separate motors with common switch or a single motor (¾Hp, 250Vac max.).
4 UL Guide JAMZ, File IE6491; CSA Class 6225-01, File 47235.

Data Sheet: 1129

In-line Fuse Holders for ¼" x ⅞" to 1¼" Fuses

HFB & HFB-10

Specifications

Description: Waterproof in-line fuse holder for ¼" x 1¼" fuses.

Dimensions: See Dimensions illustration.

Construction: Thermoplastic rubber body with tin-plated, copper contacts.

Ratings:

Volts: — 32V

Amps: — 30A max

Catalog Numbers

Catalog Numbers	Description
HFB*	Standard Pack (10-in)
BK/HFB	Bulk Pack (100-in)
BK/1A2294	HFB Replacement Contact Clip
1A2294-01	HFB-10** Replacement Contact Clip

*HFB accepts #12 to #18 wire leads (not provided). See Data Sheet for recommended crimp tools.
**HFB-10 accepts #10 wire leads (not provided). See Data Sheet for recommended crimp tools.

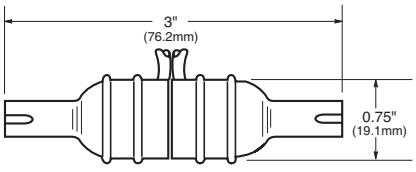
Features/Benefits

- Simple assembly with one-piece thermoplastic (important information molded into body)
- High visibility yellow color for easy identification in dark or hard-to-access locations
- Ideal for shock and vibration environments; withstands many organic solvents; temperature range -40/+150°C

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Dimensions - in (mm)



Data Sheet: 2102

HHB

Specifications

Description: Universal in-line fuse holder for ¼" x ⅞", 1" and 1¼" fuses.

Dimensions: See Dimensions illustration.

Construction: Nylon body with tin-plated, copper contacts.

Ratings:

Volts: — 32V

Amps: — 30A max

Flammability Rating: UL 94V2.

Pull Force: 5lbs minimum to separate fuse holder housing with fuse installed.

Features and Benefits

- HHB Universal in-line fuse holder for ¼" x ⅞", 1" and 1 ¼" fuses.

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Numbers

Holder — without leads* - RoHS compliant

Catalog Numbers	Description
HHB-R	Standard Pack (10-in)
BK/HHB-R	Bulk Pack (100-in)

*Accepts #12 to #16 wire leads (not provided with basic fuse holder). See Data Sheet for recommended crimp tools.

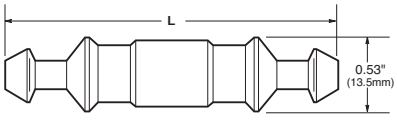
Holder — with pre-attached #14 Insulated lead wires - Not RoHS compliant unless noted

Catalog Numbers		Wire
19" Length	8" Length	Color
BK/HHB-Y419	BK/HHB-Y408	Yellow
BK/HHB-R419	BK/HHB-R408**	Red
BK/HHB-B419	BK/HHB-B408	Black

**RoHS compliant.

Dimensions - in (mm)

Fuse Length	Fuse Holder Length "L"
⅜" (AGW)	2.100 Max
1" (AGX)	2.250 Max
1¼" (AGC, MDL)	2.420 Max



Data Sheet: 2103

HRK

Specifications

Description: Universal in-line fuse holder for ¼" x ⅞" to 1 ¼" fuses.

Dimensions: See Dimensions illustration.

Construction: 8" (203mm) #14 lead wires.

Ratings:

Volts: — 32V

Amps: — 15A max

Features and Benefits

- HRK Universal in-line fuse holder for ¼" x ⅞", 1" and 1¼" fuses with #14 lead wires.
- RoHS compliant

Typical Applications

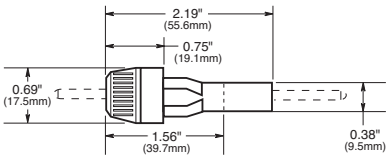
- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Number

Catalog Number	Amp Rating	Volts	Fuse Description
HRK-R*	15	32	¼" diameter fuses of different lengths.

*Three springs furnished with fuse holder to accommodate different length ¼" fuses.

Dimensions - in (mm)



Data Sheet: 2111

In-line Fuse Holders

HR and HM Series

Specifications

Description: In-line fuse holders for SFE and ¼" dia. x various length fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 32V

Amps: — 20A

Features and Benefits

- HR and HM Universal in-line fuse holder for SFE and various length ¼" diameter fuses with #14 lead wires.

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Numbers

Catalog Numbers	Includes Fuse	Wire Length & Size
HRJ*	SFE-20	19" of #14
HRI	SFE-14	
HRH	SFE-9	
HRE	SFE-7½	
HRG	SFE-6	
HRF	SFE-4	
HMJ**	SFE-20	8" of #14
HMI	SFE-14	
HMH	SFE-9	
HME	SFE-7½	
HMG	SFE-6	
HMF	SFE-4	

* Also available as in-line fuse holder only with lead wire contacts, HRJ-LESS-Fuse.

** Also available as in-line fuse holder only with lead wire contacts, HMJ-LESS-Fuse.

HHJ-A For ¼" x 1¼" fuse, no wire or fuse included, accepts #18 - #22 wire.

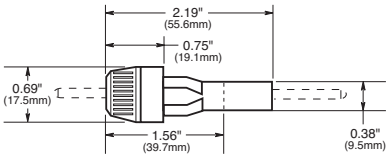
HHJ-B For ¼" x 1¼" fuse, no wire or fuse included, accepts #12 - #16 wire.

HHI-B For ¼" x 1⅛" fuse, no wire or fuse included, accepts #12 - #16 wire.

Replacement Contacts

Catalog Number	Symbol
9838	HHJ-A
9841	HHJ-B

Dimensions - in (mm)



Data Sheet: 2122

HFA Series

Specifications

Description: In-line water-resistent fuse holders for ¼" x 1¼" fuses.

Dimensions: See Dimensions illustration.

Construction: Phenolic body with copper crimp contact leads.

Ratings:

Volts: — 250V

Amps: — 20A

Agency Information: CE, UL Recognized, (Guide IZLT2, File E14853) UL.

Flammability Rating: UL 94HB.

Features and Benefits

- HFA in-line, water-resistent fuse holder for ¼" x 1¼" fuses.

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

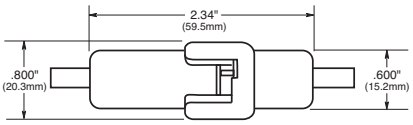
Refer to data sheet for recommend crimp tools

Catalog Numbers

Catalog Numbers	Terminals
HFA	Crimp #12 - #16
HFA-HH*	¼" Quick Connect

*No UL Recognition.

Dimensions - in (mm)



Data Sheet: 2115

HHT Series

Specifications

Description: In-line fuse holders for 5 x 15mm or 5 x 20mm fuses.

Dimensions: See Dimensions illustration.

Construction: Black thermoplastic body with brass contacts, wire: 16 AWG, red.

Ratings:

Volts: — 32V

Amps: — 5A (5 x 15mm)

— 10A (5 x 20mm)

Features and Benefits

- HHT in-line fuse holders for 5 x 15mm and 5 x 20 mm fuses.

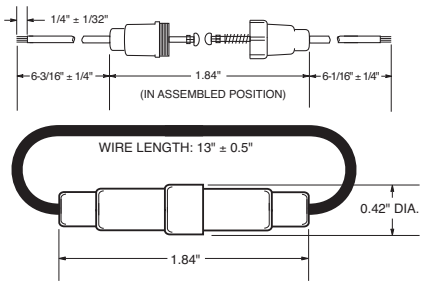
Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Numbers

Catalog Number	Fuse Size
HHT	5 x 15mm & 5 x 20mm

Dimensions - in



Data Sheet: 2138

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa

Tron™ In-line Fuse Holders

HEG Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC fuses, 480V (or less).

Ratings:

Volts: — 600V

Amps: — 0-15A

Fuse Size: 13/32" x 1.31"

Catalog Number

HEG-AA

Optional Boots:

2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2124

HEH Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC fuses (Also fuse types BBS & KTQ, nominal size 13/32" x 1 3/8").

Ratings:

Volts: — 600V

Amps: — 0-20A

Agency Information: CSA - 15A.

Catalog Numbers

HEH-AA, HEH-BB, HEH-AD

Optional Boots:

2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2124

HEC Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC-25, & SC-30 fuses, size 13/32" x 1 5/8".

Ratings:

Volts: — 480V

Amps: — 0-30A

Catalog Numbers

HEC-AA, HEC-RW-RLB-R

Optional Boots:

2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2124

HEJ Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC and Type HVW fuses, size 13/32" x 2 1/4".

Ratings:

Volts: — 480V

Amps: — 35-60A Type SC
— 1/2-6A Type HVW

Catalog Numbers

HEJ-AA, HEJ-AB, HEJ-AC, HEJ-BB, HEJ-JJ, HEJ-JK, HEJ-LL, HEJ-LLB, HEJ-CC, HEJ-DD, HEJ-WW, HEJ-PP, HEJ-QQ

Optional Boots:

2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2123

HEB Series

Specifications

Description: Single-pole in-line fuse holders for any 13/32" x 1 1/2" fuses (typically fuse types: BAF, FNM, FNQ, and KTK 1/10 - 30A).

Ratings:

Volts: — 600V

Amps: — 0-30A

Catalog Numbers

See Page 280

Data Sheet: 2127

HET Series

Specifications

Description: Single-pole in-line fuse holders for 13/32" x 1 1/2" fuses with a permanently solid neutral identified by white plastic coupling nut.

Catalog Numbers

HET-AA, HET-AB, HET-AW, HET-AW-RLC-A, HET-AW-RLC-B, HET-AW-RLC-C, HET-AW-RLC-J, HET-AW-RYC, HET-BB, HET-BW-RLC-B, HET-BW-RYC, HET-JJ, HET-JK, HET-JW, HET-JW-RLC-J, HET-JW-RYC, HET-KK

Data Sheet: 2125

HEY Series

Specifications

Description: Double-pole in-line fuse holders for KTK-R fuses with optional break-away receptacle, polarized, and accepting Class CC branch circuit fuses (Cooper Bussmann® KTK-R, FNQ-R & LP-CC; 600V or less, 200,000A IR).

Ratings:

Volts: — 600V

Amps: — 0-30A

Catalog Numbers

HEY-AA, HEY-AB, HEY-AC, HEY-AD, HEY-AE, HEY-AL, HEY-AW-DRLC-A, HEY-AW-DRLC-B, HEY-AW-DRYC, HEY-BB, HEY-JJ

Data Sheet: 2126

HEX Series

Specifications

Description: Double-pole in-line fuse holders for 13/32" x 1 1/2" fuses (typically fuse types BAF, FNM, FNQ, and KTK 1/10 - 30A).

Ratings:

Volts: — 600V

Amps: — 0-30A

Catalog Numbers

HEX-AA, HEX-AB, HEX-AC, HEX-AD, HEX-AE, HEX-AW, HEX-AW-DRLC-A, HEX-AW-DRYC, HEX-AW-RLC-A, HEX-AW-RYC, HEX-AY, HEX-BB, HEX-CC, HEX-JJ, HEX-JK, HEX-JW-DRYC, HEX-KK

Data Sheet: 2126

For HEB Holders Only

Directions: To select complete holder P/N, work from left to right starting with loadside terminal options and then lineside terminal options. Then determine breakaway or non-breakaway style.

Loadside Terminal					Lineside Terminal					Available P/N's	
Terminal Type	Wire Size	No. of Wires per Terminal	Solid Wire	Stranded Wire	Terminal Type	Wire Size	No. of Wires per Terminal	Solid Wire	Stranded Wire	Non-Breakaway P/N (Boots not included)	Breakaway P/N (Boots included)
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	HEB-AA(1)(2)(3)	HEB-AW-RLC-A(1)(2)(3)
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Copper Crimp	#6 #10	1 2	Y Y	Y Y	HEB-AB(2)	HEB-AW-RLC-B
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Copper Crimp (4)	#4 #8	1 2	N Y	Y Y	HEB-AC(2)	HEB-AW-RLC-C(4)
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Copper Crimp	#2 #6	1 2	N Y	Y Y	HEB-AD(2)	N/A
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Copper Crimp	2/0 #3	1 2	N N	Y Y	HEB-AE(2)	N/A
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Copper Setscrew	#12 to #3	1	Y	Y	HEB-AJ	HEB-AW-RLC-J
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Copper Setscrew	#12 to #3	2	Y	Y	HEB-AK	HEB-AW-RYC
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Aluminum Setscrew	#12 to #2	1	Y	Y	HEB-AL	HEB-AW-RLA
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Aluminum Setscrew	#12 to #2	2	Y	Y	HEB-AY	HEB-AW-RYA
Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	Aluminum Crimp	#1, #2	1	N	Y	HEB-AR	N/A
Copper Crimp	#6 #10	1 2	Y Y	Y Y	Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	HEB-BA(2)	HEB-BW-RLC-A
Copper Crimp	#6 #10	1 2	Y Y	Y Y	Copper Crimp	#6 #10	1 2	Y Y	Y Y	HEB-BB(2)	HEB-BW-RLC-B
Copper Crimp	#6 #10	1 2	Y Y	Y Y	Copper Crimp	#4 #8	1 2	N Y	Y Y	HEB-BC(2)	N/A
Copper Crimp	#6 #10	1 2	Y Y	Y Y	Copper Crimp	#2 #6	1 2	N Y	Y Y	HEB-BD(2)	N/A
Copper Crimp	#4 #8	1 2	N Y	Y Y	Copper Crimp	#4 #8	1 2	N Y	Y Y	HEB-CC(2)	N/A
Copper Crimp	#2 #6	1 2	N Y	Y Y	Copper Crimp	#2 #6	1 2	N Y	Y Y	HEB-DD(2)	N/A
Copper Crimp	#20, #18	1	Y	Y	Copper Crimp	#12 to #8 #12	1 2	Y Y	Y Y	HEB-ZA	N/A
Copper Setscrew	#12 to #3	1	Y	Y	Copper Setscrew	#12 to #3	1	Y	Y	HEB-JJ	HEB-JW-RLC-J
Copper Setscrew	#12 to #3	1	Y	Y	Copper Setscrew	#12 to #3	2	Y	Y	HEB-JK	HEB-JW-RYC
Copper Setscrew	#12 to #3	1	Y	Y	Aluminum Setscrew	#12 to #2	1	Y	Y	HEB-JL	N/A
Copper Setscrew	#12 to #3	1	Y	Y	Aluminum Setscrew	#12 to #2	2	Y	Y	HEB-JY	N/A
Aluminum Setscrew	#12 to #2	1	Y	Y	Aluminum Setscrew	#12 to #2	1	Y	Y	HEB-LL	HEB-LW-RLA
Aluminum Crimp	#8 #6	1 1	N Y	Y N	Aluminum Crimp	#8 #6	1 1	N Y	Y N	HEB-NN	N/A
Aluminum Crimp	#6 #4	1 1	N Y	Y N	Aluminum Crimp	#6 #4	1 1	N Y	Y N	HEB-PP(2)	N/A
Aluminum Crimp	#3, #4 #2	1 1	N Y	Y N	Aluminum Crimp	#3, #4 #2	1 1	N Y	Y N	HEB-QQ(2)	N/A
Aluminum Crimp	#1, #2	1	N	Y	Aluminum Crimp	#1, #2	1	N	Y	HEB-RR(2)	N/A
Aluminum Crimp	1/0	1	N	Y	Aluminum Crimp	1/0	1	N	Y	HEB-TT(2)	N/A
SolidTerminal for aluminum connector	#8 to #12 #10 to #14	1 1	Y N	N Y	SolidTerminal for aluminum connector	#8 to #12 #10 to #14	1 1	Y N	N Y	HEB-SS	N/A

(1)UL Recognized, Guide IZLT2, File E14853
(2)CSA Certified, Class 6225-01, File 47235
(3)CE
(4)HEB-AW-RLC-C is for (1) #4 stranded wire only.

Insulating boots for single conductor-2A0660
Dual conductor-2A0661

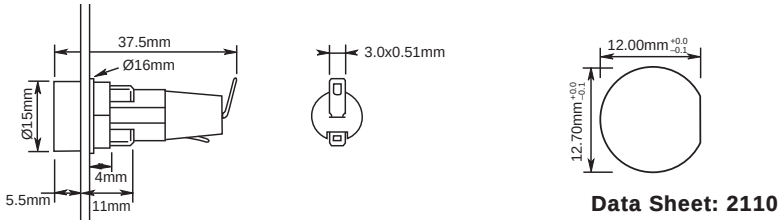
Contact your local Cooper Bussmann representative for other possible terminations not listed.

Data Sheet: 2127

Panel Mounted Fuse Holders for 5 x 20mm Fuses

HTC-35M

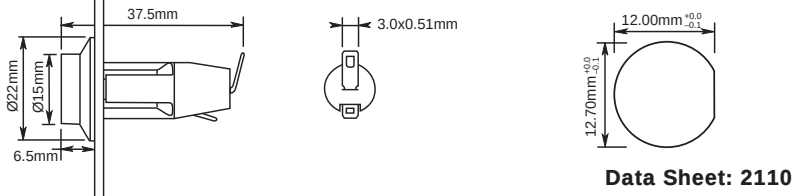
Ratings:
Volts: — 250Vac
Amps: — 10A UL, 6.3A VDE
Fuse Access: Threaded cap



Data Sheet: 2110

HTC-40M

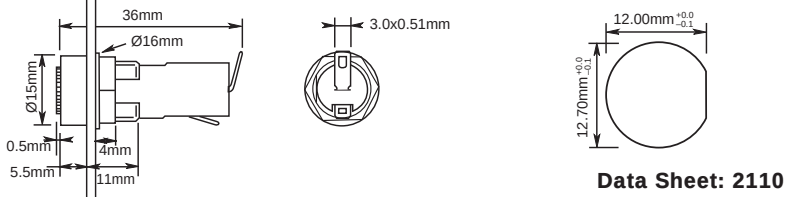
Ratings:
Volts: — 250Vac
Amps: — 10A UL, 6.3A VDE
Fuse Access: Screwdriver slot



Data Sheet: 2110

HTC-55M

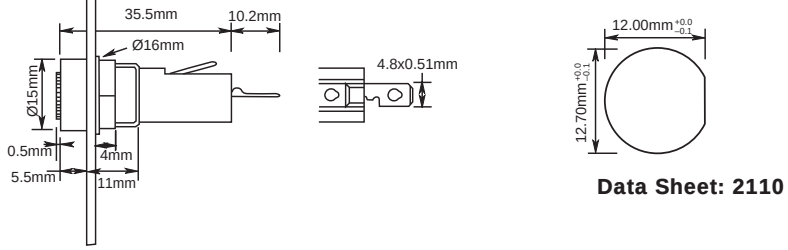
Ratings:
Volts: — 250Vac
Amps: — 10A UL, 6.3A VDE
Fuse Carrier: Bayonet type



Data Sheet: 2110

HTC-70M

Ratings:
Volts: — 250Vac
Amps: — 10A UL, 6.3A VDE
Fuse Carrier: Bayonet type



Data Sheet: 2110

Specifications

Terminals:	Tin-plated brass.
Molded Materials:	High temperature thermoplastic that meets the flammability ratings of UL 94V0; Glow Wire Test: 960°C per IEC 60695-2-1.
Solderability:	In accordance with IEC 68-2-20.
Agency Information:	cURus, VDE
Electrical:	Contact Resistance: ≤ 10 megohm; Insulation Resistance: ≥ 10MΩ; Dielectric Strength ≥ 2000Vac.
Shock Safety:	PC2 (fuse holders).
Packaging:	Standard Qty 10 (No Prefix), Bulk Qty 100 (Prefix Catalog Number with BK/).

Panel Mounted Fuse Holders for ¼" x 1¼" Fuses

HKP, HKP-L, HKP-W

Specifications

Description: Standard fuse holders.

Dimensions: See Dimensions illustration.

Ratings:

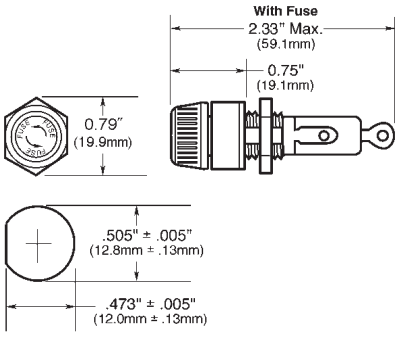
Volts: — 250V

Amps: — 30A

Catalog Numbers

Catalog Numbers	Fuse Description
HKP	—
HKP-L	HKP w/ 2250V stand-off barrier
HKP-W	HKP w/ drip-proof knob

Dimensions - in (mm)



Data Sheet: 2106

HKP-BBHH, HKP-HH and HKP-LW-HH

Specifications

Description: Fuse holders with ¼" quick-connects.

Dimensions: See Dimensions illustration.

Ratings:

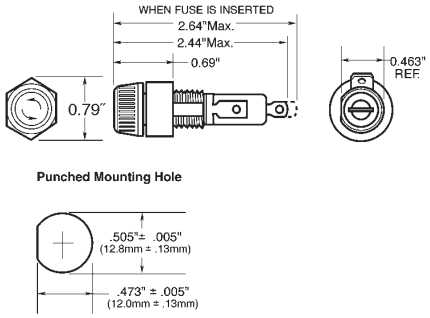
Volts: — 250V

Amps: — 15A

Catalog Numbers

Catalog Numbers	Fuse Description
HKP-BBHH	HKP w/ ¼" quick-connects, nut and washer assembled.
HKP-HH	HKP w/ ¼" quick-connect.
HKP-LW-HH	HKP w/ drip-proof knob, 2250V stand-off barrier and ¼" quick-connects.

Dimensions - in (mm)



Data Sheet: 2106

HKP-OO

Specifications

Description: Snap-lock fuse holders.

Dimensions: See Dimensions illustration.

Ratings:

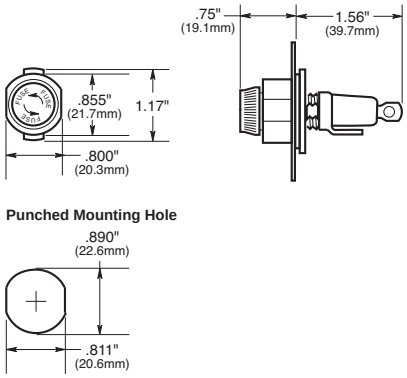
Volts: — 250V

Amps: — 30A

Catalog Numbers

Catalog Number	Fuse Description
HKP-OO	HKP with snap-lock

Dimensions - in (mm)



Data Sheet: 2106

Specifications

Terminals: Bayonet-type knob.
Vibration resistant.
For panels up to 5/16" (7.9mm) thick.

Agency Information: CE (HKP, HKP-L, HKP-W, HKP-OO), UL Recognized — Guide IZLT2, File E14853, CSA Certified — Class 6225-01, File 47235

Replacement Parts: Cap: 9435-1/2
Plastic Nut: BK/1A4287 (100 pieces minimum)
Metal Nut: BK/1A4806-2 (100 pieces minimum)
Washer: 9732

COOPER Bussmann

Panel Mounted Fuse Holders for 5 x 20mm and ¼" x 1 ¼" Fuses

HTB Series

RoHS 2002/95/EC

Specifications

Description: Fuse holders with knob-type carriers.

Dimensions: See Dimensions illustrations.

Construction: High temperature, flame retardant thermoplastic; UL Component Recognized; UL 94V0; mounting nut, spacer-black polycarbonate. Terminals: tin-plated brass.

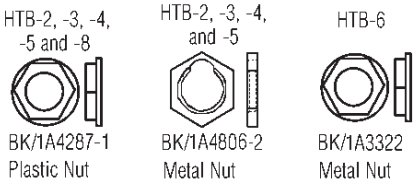
Electrical Data: Insulation resistance (per IEC #257) — 10,000 ohms @ 500Vdc; contact resistance (per IEC #257) — 0.005 ohms Max @ 1A; standoff voltage (per IEC #257) — 480V/Mil @ 0.125" thickness.

Agency Information: CE, UL Recognized — Guide IZLT2, File E14853, ¼" dia fuse @ 20A, 5mm dia fuse @16A @ 250V, CSA — 16A @ 250V Class 6225-01 File 47235; VDE Certified: 136128, HTB-XXM, SEMKO Certification: Ref. #0146149/01, HTB-XXM.

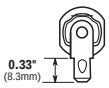
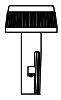
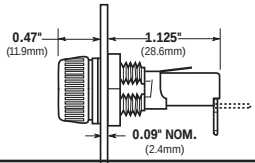
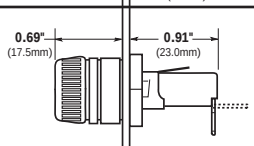
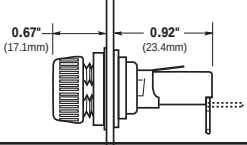
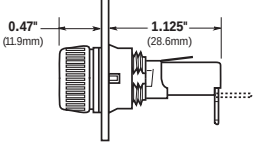
Mounting: Withstands 15 to 20 Lb-In torque to mounting nut when mounting fuse holder to panel.

Environmental: Maximum operating temperature -55°C to 85°C.

Replacement Parts



Dimensional Data - in (mm)

Knob Type Carrier Common Dimensions: Length (Knob Type) - 1.69" (42.9mm) Plus In-Line Terminal NOTE: Plus In-Line Terminal	Maximum Panel Thickness	Terminal Options: Solder/ 3/16" Quick-Connect In-Line	Terminal Options: Solder/ 3/16" Quick-Connect Rt. Angle	Terminal Options: ¼" Quick-Connect In-Line	Terminal Options: ¼" Quick-Connect Rt. Angle	Carrier Options: ¼" x 1¼" ("I" Equals Inches) Knob	Carrier Options: 5 x 20mm ("M" Equals Metric) Knob
							
	0.30"	HTB-22I-R	HTB-24I-R	HTB-26I-R	HTB-28I-R	X	
	7.62mm	HTB-22M-R	HTB-24M-R	HTB-26M-R	HTB-28M-R		X
	0.125"	HTB-42I-R	HTB-44I-R	HTB-46I-R	HTB-48I-R	X	
	3.18mm	HTB-42M-R	HTB-44M-R	HTB-46M-R	HTB-48M-R		X
	0.30"	HTB-62I-R	HTB-64I-R	HTB-66I-R	HTB-68I-R	X	
	7.62mm	HTB-62M-R	HTB-64M-R	HTB-66M-R	HTB-68M-R		X
	0.125"	HTB-82I-R	HTB-84I-R	HTB-86I-R	HTB-88I-R	X	
	3.18mm	HTB-82M-R	HTB-84M-R	HTB-86M-R	HTB-88M-R		X

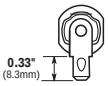
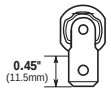
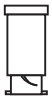
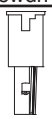
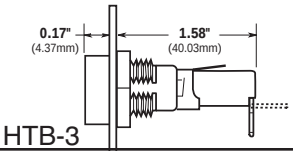
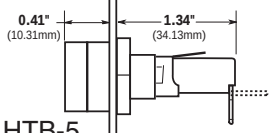
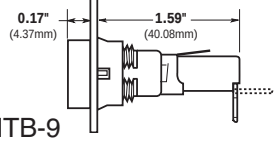
Fuse holders and fuse carriers may be ordered separately.

Data Sheet: 2119

Panel Mounted Fuse Holders for 5 x 20mm and ¼" x 1 ¼" Fuses

HTB Series

Dimensional Data - in (mm)

Screwdriver Type Carrier Common Dimensions: (Screwdriver Slotted) 1.75" (44.5mm) NOTE: Plus In-Line Terminal	Maximum Panel Thickness	Terminal Options: Solder/ 3/16" Quick-Connect In-Line	Terminal Options: Solder/ 3/16" Quick-Connect Rt. Angle	Terminal Options: ¼" Quick-Connect In-Line	Terminal Options: ¼" Quick-Connect Rt. Angle	Carrier Options: ¼" x 1 ¼" ("I" Equals Inches) Screwdriver	Carrier Options: 5 x 20mm ("M" Equals Metric) Screwdriver
							
 HTB-3	0.30"	HTB-32I-R	HTB-34I-R	HTB-36I-R	HTB-38I-R	X	
	7.62mm	HTB-32M-R	HTB-34M-R	HTB-36M-R	HTB-38M-R		X
 HTB-5	0.125"	HTB-52I-R	HTB-54I-R	HTB-56I-R	HTB-58I-R	X	
	3.18mm	HTB-52M-R	HTB-54M-R	HTB-56M-R	HTB-58M-R		X
 HTB-9	0.125"	HTB-92I-R	HTB-94I-R	HTB-96I-R	HTB-98I-R	X	
	3.18mm	HTB-92M-R	HTB-94M-R	HTB-96M-R	HTB-98M-R		X

Catalog Number Build-A-Code

Packing
Blank (Std.) – 10 fuse holders in a carton
BK – 100 fuse holders in a cardboard shelf package

HTB- Product Symbol

Body Configuration and Mounting
Knob Holders
2 — Low Profile (Rear Panel Hex-Nut)
4 — High Profile
6 — * (Front Panel Hex-Nut)
8 — Low Profile (Snap-In)
Screwdriver Slotted Holders
3 — Low Profile
5 — High Profile
9 — Low Profile (Snap-In)

Rear Terminal Configuration
2 — Solder / 3/16" Quick-Connect (In-Line)
4 — Solder / 3/16" Quick-Connect (Right Angle)
6 — 1/4" Quick-Connect (In-Line)
8 — 1/4" Quick-Connect (Right Angle)

Fuse Carrier
I — 1/4" x1 1/4"
M — 5 x 20mm

S **P**
Splash Proof
Cap with O-Ring (Optional on Knob Holders Only)

-R
RoHS Compliant

FUSE CARRIER ONLY

Packaging
(Blank) – Std.
BK/ – Bulk

Product Symbol
FT — Knob Type (For 20, 40, 60, and 80 Series Only)
ST — Screwdriver Slotted (For 30, 50, and 90 Series Only)

Fuse Carrier
I — 1/4" x1 1/4"
M — 5 x 20mm

***Profile varies with panel thickness. Holder installs through rear of panel.**

Data Sheet: 2119

Panel Mounted Fuse Holders for Indicating Type Fuses

HLD

Specifications

Description: Pin indicating for ¼" x 1¼" fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: — 15A

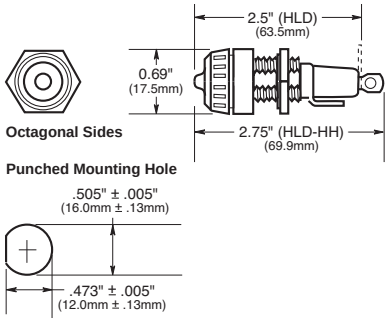
Agency Information: CE, UL Recognized, File E14853, Guide IZLT2.

Catalog Numbers

Catalog Numbers*	Terminals
HLD	Solder terminals
HLD-HH	¼" quick-connect terminals

*Use w/GBA, GLD Fuses.

Dimensions - in (mm)



HJL

Specifications

Description: Neon lamp indicating for ¼" x 1" fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: — 15A

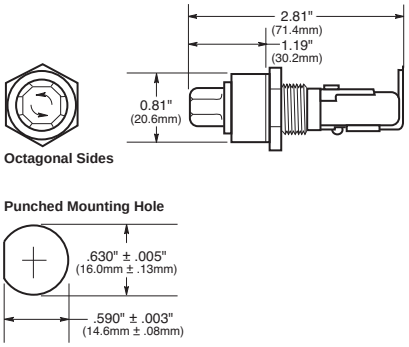
Agency Information: None

Catalog Number

Catalog Number*	Volts	Lamp Color	Knob Type
HJL	90 to 250	Clear	Oct

*Use with AGX or MKB fuses, for panels up to ⅛" thick.

Dimensions - in (mm)



HK Series

Specifications

Description: Neon and incandescent lamp indicating for ¼" x 1¼" fuses

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: —15A (HKL, HKL-X)

— 20A (HKR, HKT, HKU, HKX)

Agency Information: CE, UL Recognized, (Guide IZLT2, File E14853), CSA Certified (Class 6225-01, File 47235).

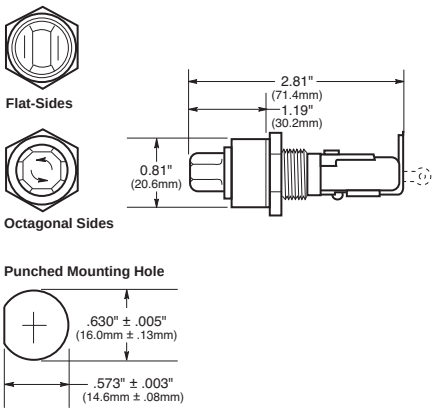
Catalog Numbers

Catalog Numbers	Lamp Volts	Knob Color/Type
HKL*	90-250	Clear/Oct
HKL-X*	90-250	Clear/FS
HKR**	22-30	Amber/Oct
HKT**	13-22	Amber/Oct
HKU**	4-6	Red/Oct
HKX**	22-33	Amber/FS

* Neon lamp — UL Recognized and CSA Certified.

** Incandescent lamp.

Dimensions - in (mm)



Panel Mounted Fuse Holders for 13/32" x 1 5/16" to 1 1/2" Fuses

HPF

Specifications

Description: Standard fuse holders with ***screw-type knob*** for 13/32" x 1 5/16" to 1½" Fuses.

Dimensions: See Dimensions illustration.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94HB.

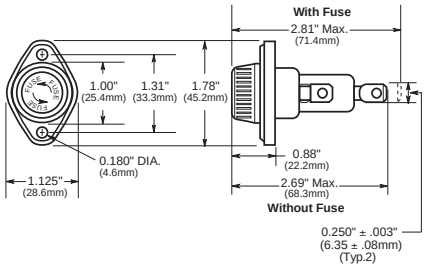
Terminals: Combination ¼" quick-connect/solder terminals.

Catalog Numbers

Catalog Numbers	Amp Ratings	Volts	Fuse Description
HPF	30[2]	600	1 ½" (38.1mm)
HPF-C	30[3]	600[3]	1 ½" (38.1mm) clear knob.
HPF-L	5	600	BBS, 13/32" x 1 3/8" fuses.
HPF-EE	15	600	SC 0-15, 13/32" x 1 5/16" fuses.
HPF-JJ	20	600	SC 20, 13/32" x 1 13/32" fuses.
HPF-FF[1]	30[2]	480	SC 25 & 30, 13/32" x 1 5/8" fuses.
HPF-RR	30[2]	600	KTK-R, LP-CC & FNQ-R Class CC fuses.
HPF-WT	30[2]	600	Splash-proof knob. 13/32" x 1 ½" (38.1mm)

[1] No CSA Certification
[2] 20A max when used with quick-connect terminals.
[3] HPF-C ratings for CSA-15A, 250V

Dimensions - in (mm)



Data Sheet: 2114

HPS

Specifications

Description: Standard fuse holders with ***bayonet-type knob*** for 13/32" x 1 5/16" to 1½" fuses.

Dimensions: See Dimensions illustration.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94HB.

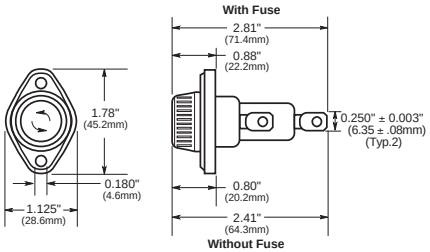
Terminals: Combination ¼" quick-connect/solder terminals.

Catalog Numbers

Catalog Symbol	Amp Ratings	Volts	Fuse Description
HPS	30[2 3]	600	13/32" x 1 ½"
HPS-L	5	600	BBS, 13/32" x 1 3/8" fuses.
HPS-EE*	15	600	SC 0-15, 13/32" x 1 5/16" fuses.
HPS-JJ*	20	600	SC 20, 13/32" x 1 13/32" fuses.
HPS-F-EE[1]	15	600	Sleeve on body, leaded for 13/32" x 1 5/16" fuses.
HPS-FF*[1]	30[2]	480	SC 25 & 30, 13/32" x 1 5/8" fuses.
HPS-RR*[1]	30[2]	600	KTK-R, LP-CC, FNQ-R Class CC fuses.

*-EE, -JJ, -FF and -RR versions are UL Recognized for applications requiring branch circuit protection.
[1] No CSA Certification
[2] 20A max when used with quick-connect terminals.
[3] HPS rated at 250V for CSA

Dimensions - in (mm)



Data Sheet: 2113

HPG

HPD

Specifications

Description: Standard fuse holders with ***bayonet-type knob*** for 13/32" x 1½" fuses.

Dimensions: See Dimensions illustrations.

Agency Information: CE, UL Recognized, (Guide IZLT2, File E14853).

Flammability Rating: UL 94V0 - fuse holder body UL 94HB - Knob.

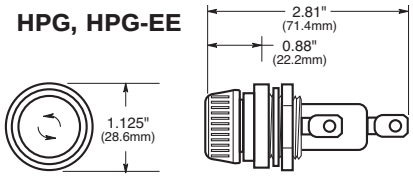
Catalog Numbers

Catalog Numbers	Amp Ratings	Volts	Fuse Description
HPG*	30[1]	600	13/32" x 1 ½" fuses
HPG-EE*	15	600	SC 0-15, 13/32" x 1 5/16" fuses.
HPD**	30[1]	600	13/32" x 1 ½" fuses

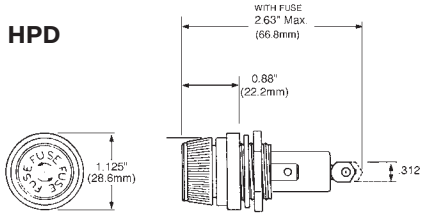
[1] 20A max when used with quick-connect terminals.
*HPG and HPG-EE has combination ¼" quick-connect/solder terminals on both side (load) and rear (line) terminals.
**HPD has combination ¼" quick-connect/solder terminal on side (load) terminal only. Rear (line) terminal is 3/16" shorter than HPG. Rear terminal solder only.

Dimensions - in (mm)

HPG, HPG-EE



HPD



Data Sheet: 2108

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa

COOPER Bussmann

Panel Mounted Fuse Holders for 13/32" x 1 1/2" Fuses

HPM

Specifications

Description: Standard fuse holder with ***screw-type knob*** for 13/32" x 1½" fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 600Vac/dc

Amps: — 30A[1]

[1] 20A max when used with quick-connect terminals.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

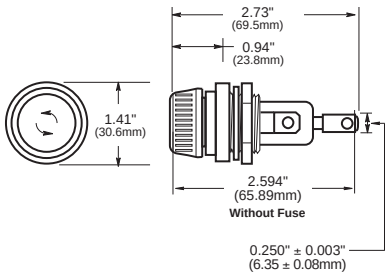
Flammability Rating: UL 94HB.

Catalog Numbers

Catalog Numbers	Description
HPM	¼" quick-connect/solder
HPM-D	Splash-resistant knob[2]

[2] HPM-D has ¼" quick-connect/solder terminal on rear (load) terminal only. The side (line) terminal is ¼" quick-connect only.

Dimensions

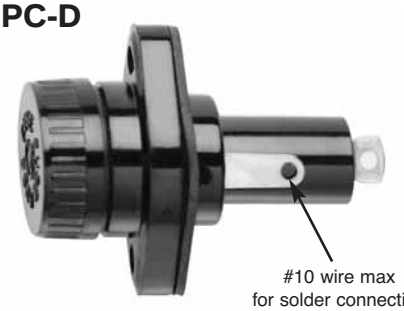


Nut Torque: 30 lb-in.

Replacement Knob:
Catalog Number: BK/9789-Y2
(50 pieces)

Data Sheet: 2112

HPC-D



Specifications

Description: Fuse holder with ***screw-type knob*** for 13/32" x 1½" fuses. Supplied with O-ring and panel gasket.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 600Vac/dc

Amps: — 30A[1]

[1] 20A max when used with quick-connect terminals.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853.

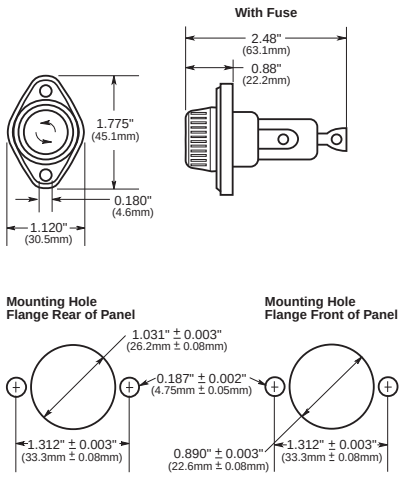
Flammability Rating: UL 94HB.

Catalog Numbers

Catalog Number	Description
HPC-D	Mount in panels up to ¼" thick.

Replacement knob - BK/9987SA

Dimensions



Data Sheet: 2109

HPS2

Specifications

Description: For fuse size 13/32" x 1½", meeting UL 1598 requirement that both poles be removed simultaneously.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 600V@30A

Amps: — 0-30A [1]

[1] 20A max when used with quick-connect terminals.

Agency Information: UL 4248 recognized, (Guide IZLT2, File E14853), CSA certified: (Class 6225-01, File 47235).

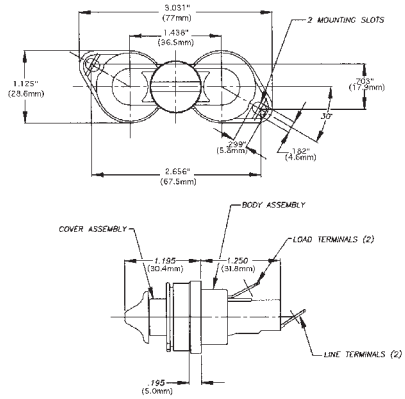
Flammability Rating: UL 94V0.

Terminals: ¼" quick-connect/solder.

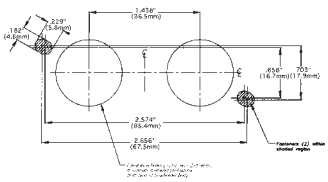
Catalog Numbers

Catalog Numbers	
HPS2	Standard 10-in carton
BK/HPS2	Bulk 100-in carton

Dimensions



Panel Mount Hole Dimensions



Data Sheet: 2140

Fuse Blocks for ¼" x 1 ¼" Fuses

Series 8000

Specifications

Description: Bolt-in and snap-in mounting for ¼" x 1¼" fuses.

Construction: Blocks are molded flame retarded thermoplastic. Clips are spring-bronze.

Ratings:

Volts: — 300V

Amps: — 25A (See Catalog Numbers table)

Agency Information: CE, UL Recognized ; File E14853, Guide IZLT2, CSA Certified Class 6225-01, File 47235.

Anti-Rotation Pin: Single-pole blocks may be ordered without the anti-rotational pin simply by adding an "X" to the number of poles (Example: BK/S-8000-1X).

Carton Quantity: 10; shelf package: 100.

Bulk Carton: Single-pole and 2-pole fuse blocks – 1,000; Multiple-pole fuse blocks – 3- to 8-pole: 200; 9- to 12-pole: 50. When ordering bulk quantities, prefix "BK/" to catalog number: (Example: BK/S-8001-1-SNP).

Catalog Numbers

Bolt-in Mounting

Basic Catalog Numbers	Series	Terminal	Angle	Agency Maximums	Poles (Suffix)
S-8001-	8000	Solder	0°	UL 25A	1 - 12
S-8002-			40°	CSA 21A	
S-8101-	8100	3/16" Quick	0°	UL 20A	
S-8102-		Connect	40°	CSA 13A	
S-8201-	8200	¼" Quick	0°	UL 20A	
S-8202-		Connect	40°	CSA 16A	
S-8203-		Side			
S-8301-	8300	Screw	—	UL 30A CSA 25A	

Snap-in Mounting

Catalog Numbers	Series	Terminal	Angle	Agency Maximums	Poles (Suffix)
S-8001-1-SNP	8000	Solder	0°	UL 25A	Available only in single pole
S-8002-1-SNP			40°	CSA 21A	
S-8101-1-SNP	8100	3/16" Quick	0°	UL 20A	
S-8102-1-SNP		Connect	40°	CSA 13A	
S-8201-1-SNP	8200	¼" Quick	0°	UL 20A	
S-8203-1-SNP		Connect	Side	CSA 16A	

Catalog Number Build-A-Code

Catalog Code

BK/ | S-8 | 0 | 00 | -00

- BK/ — Prefix for Bulk Packing
- S-8 — Series 8000 Product Line
- 0 — Type Terminal: "0"-Solder; "1"-3/16" Quick Connect; "2" - 1/4" Quick Connect; "3" - Screw
- 00 — Terminal Angle: "01" - straight (0°); "02"- 40°; "03" - side*
- -00 — Number of Poles (1-12)

*Available only in single pole

Data Sheet: 2101

Single-Pole Fuse Blocks

Specifications

Description: Single-pole fuse block for ¼" x 1¼" (6.4 x 31.8mm) size fuses.

Dimensions: See Dimensions illustrations.

Construction: Bakelite base width ½" (12.7mm); spring-bronze, bright tin-lead plate clips.

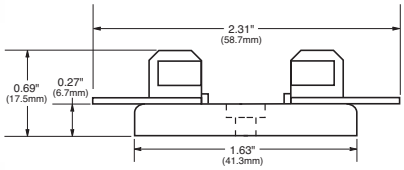
Ratings:

Volts: — 250V

Amps: — 30A

4405 - 0° Solder terminals with integral terminal and clip

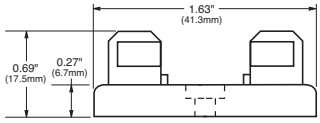
Dimensions - in (mm)



4406 - Side solder terminal

4574 - Spare fuse block

Dimensions - in (mm)

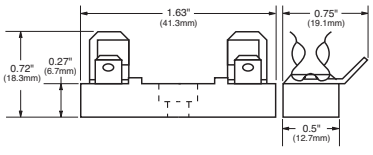


2499 - Side quick-connect

Agency Information: UL Recognized, Guide IZLT2, File E14853

Terminals: ¼" (6.4mm); 15A, 250V

Dimensions - in (mm)



Note: Mounting screw hole diameter is 0.147" (3.7mm). Counterbore diameter, 0.636" (8.0mm). Max Mounting Screw No. 6.

Fuse Blocks for ¼" x 1" Fuses

3828 Series

Specifications

Description: Fuse block for ¼" x 1" (6.4 x 25.4mm) fuses with solder terminals.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: — 30A

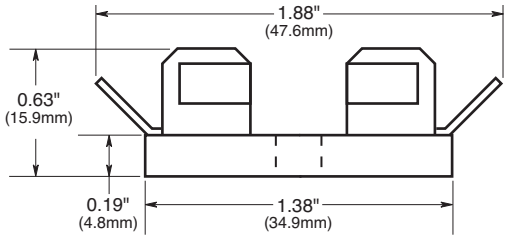
Mounting: Mounting screw hole diameter is 0.147" (3.7mm), diameter. Max mounting screw No. 6.

Catalog Numbers

Catalog Numbers	Poles	*Base Length - in (mm)
3828-1	1	½ (12.7)
3828-2	2	1 ⅛ (28.6)
3828-3	3	1 ¾ (44.5)
3828-4	4	2 ⅜ (60.3)
3828-5	5	3 (76.2)
3828-6	6	3 ⅝ (92.1)
3828-7	7	4 ¼ (108.0)
3828-8	8	4 ⅞ (123.8)
3828-10	10	6 ⅛ (155.6)
3828-12	12	7 ⅜ (187.3)

*Small phenolic base, base width 1 ⅜" (34.9mm)

Dimensions - in (mm)



Data Sheet: 2050

4520 and 4393

Specifications

Description: Single-pole fuse block for ¼" x 1" fuses.

Dimensions: See Dimensions illustrations.

Construction: Bakelite with ½" (12.7mm) width base. Spring-bronze, bright tin-lead plated clips.

Ratings:

Volts: — 250V

Amps: — 30A

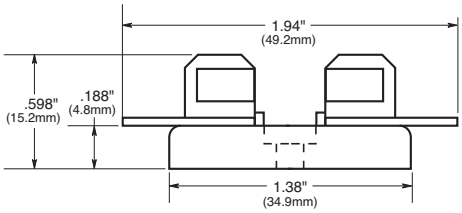
Mounting: Mounting screw hole diameter is 0.147" (3.7mm), counterbore 0.636" (8.0mm) diameter. Max mounting screw No. 6.

Catalog Numbers

Catalog Numbers	Description
4520	Integral clip and straight solder terminals
4393	Spare fuse block

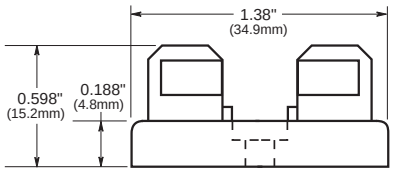
No. 4520 - Integral clip and straight solder terminals

Dimensions - in (mm)



No. 4393 - Spare fuse block

Dimensions - in (mm)



Data Sheet: 2051

Blocks for 13/32" X 1½" Fuses

3743

Specifications

Description: Add-on fuse blocks for 13/32" X 1 ½" (10.3 X 38.1mm) fuses. Single pole blocks lock into each other and can be added at any time. Each has a single end barrier.

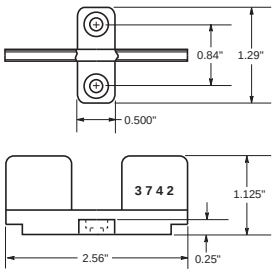
Dimensions: See Dimensions illustration.

Ratings:

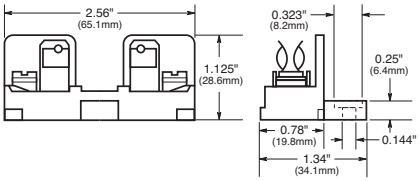
Volts: — 600Vac/dc

Amps: — 30A

Agency Information: CE, UL Recognized Guide IZLT2, File E14853.



3742—End Barrier Only



3723—Block and end barrier marking strip. Length is 9⅜" (23.8cm).

Note: Mounting screw hole is 0.147" (3.7mm) dia. Counterbore, 0.636" (8mm) dia. Max. mounting screw No. 6.

3835 Series

Specifications

Description: Multiple pole fuse blocks for 13/32" X 1 ½" (10.3 X 38.1mm) fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250Vac/dc

Amps: — 30A

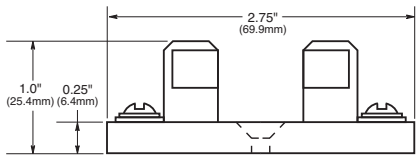
Agency Information: CE

Catalog Numbers

Catalog Numbers	Poles	Base* Width In (mm)
3835-1	1	27/32 (21.4)
3835-2	2	1 13/16 (46.0)
3835-3	3	2 25/32 (70.6)
3835-4	4	3 ¾ (95.2)
3835-5	5	4 23/32 (119.9)
3835-6	6	5 1/16 (144.5)
3835-7	7	6 21/32 (169.0)
3835-8	8	7 ⅝ (193.7)
3835-9	9	8 19/32 (218.8)
3835-10	10	9 5/16 (242.9)
3835-12	12	11 ½ (292.1)

*Base length: 2 ¾" (69.9mm)

Dimensions



Note: Mounting screw hole diameter is 0.148" (3.7mm). Countersink, 0.313" (7.9mm). Max. mounting screw No. 6.

4421 and 4515

Specifications

Description: Single pole fuse blocks for 13/32" X 1 ½" (10.3 X 38.1mm) fuses.

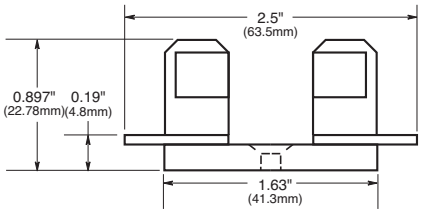
Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250Vac/dc (or less)

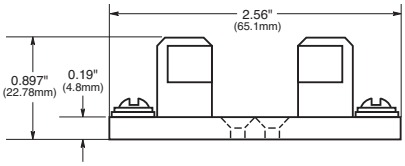
Amps: — 30A

Agency Information: CE



4421—Solder Terminals

Base width ⅝" (15.9mm)



4515—Screw Terminals

Base width ¾" (19mm)

Note: Mounting screw hole diameter is 0.147" (3.7mm). Countersink, 0.312" (7.9mm). Max. mounting screw No. 6.

Data Sheet: 2104

Rail Mount Fuse Blocks and Holders

NDNF1-WH

Specifications

Description: Fuse holding rail mount terminal block.

Circuit Jumper: JF1, 2 circuits

Fuse Size: 13/32" X 1½"* (KTK, FNQ).

Poles: 1

Wire Range: AWG #8-22 Cu.

Ratings:

Volts: — 600V

Amps: — 30A

Mounting Options: 35mm DIN rail, C-rail

Fuse Pullers: • PF1 (standard)
• neon or incandescent bulb

*LPF1 (lighted neon or incandescent bulb).

Torque Rating: 18 lb-in

Operating Temperature: 105°C

Agency Information: CSA File 15364

Catalog Numbers

Catalog Number	Color
NDNF1-WH	White

Fuse Pullers (Optional): PF1

Lighted neon or incandescent lamp:

Catalog Numbers	Voltage
LPF1-24	24
LPF1-120	120
LPF1-120-C	120
LPF1-220	220
LPF1-440	440

NDNLFD1-WH

Specifications

Description: Rail mount fuse holder.

Circuit Jumper: JF1, 2 circuits.

Fuse Size: ¼" X 1¼" (Cooper Bussmann AGC, MDL or equivalent).

Poles: 1

Wire Range: AWG #8-22 Cu.

Ratings:

Volts: — 600V

Amps: — 30A (NDND1 non-fused)
— 15A (NDNFD1, 600V/CSA, fused)
— 15A (NDNLFD1*fused, indicating)

*WH24 - 24V White, WH-90Vdc-600Vdc, 115Vac-600Vac White

Agency Information: CE, UL E62622; CSA LR15364.

Mounting Options: 35mm DIN rail, C-rail

Marking Tape: MT12-1-2

Torque Rating: 18 lb-in

Operating Temperature: 105°C

Agency Information: CSA File 15364

Catalog Numbers

Catalog Number	Color	Indicator
NDNFD1-WH	White	NO
NDNLFD1-WH	White	90Vdc-600Vdc 115Vac-600Vac
NDNLFD1-WH 24	White	24V

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Power Distribution Blocks

New 1000Vdc Finger-Safe Designs with High SCCRs Help Improve Safety, Assembly Ratings and Ease Code Compliance

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