Technical Data

Original Instructions

Allen-Bradley
by ROCKWELL AUTOMATION

Disconnect Switches and Fuse Blocks Specifications

Bulletins 1494U, 1494G, 1494H, 1491

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Disconnect Switches Overview

The Allen-Bradley® 1494U universal visible-blade flange disconnect switch provides you with the extra level of visual ON or OFF indication of a knife-blade disconnect design. 1494G and 1494H Industrial Safety Disconnect Switches are designed for industrial and heavy commercial applications, as well as for hazardous locations. Disconnect switches offer ratings from 30 A to 600 A, fusible or non-fusible, incorporate a Flange style handle, and carry certifications for UL, CSA, CE and CCC..

Bulletin No.	**1494U**	**1494G**	**1494G - Hazardous Location**	**1494H**
Description	Universal Disconnect Switch	Industrial Duty	Hazardous Locations	Heavy Duty
Panel Mounting Location	Flange-mounted handle	Flange-mounted handle	Side-mounted handle	Side-mounted handle
Switch Ratings	30...600 A @ 600V AC and 250/600V DC	30...600 A @ 600V AC	30, 60, 100 A	30...200 A @ 600V AC
Fuse Versions	Fusible and non-fusible	Fusible and non-fusible	Non-fusible	Fusible and non-fusible
Fuse Accommodations	J, R, and H	Class J, R, and H	–	Class J, R, and H
Enclosure Types	For use with Type 3R/4/12 and 4X	For use with 3R/4/12 and4X	Type 3R, 7, and 9 bolted enclosure with breather and drain	Type 1, 3R, and 12
Safety Feature - Visible Blade Construction	✓	✓	✓	✓
200 kA A.I.C. With Proper Fusing	✓	✓		✓
NFPA 79 Compliant – Handle Always Linked to Switch	✓	✓	✓	✓
Product Selection	page 5	page 23	page 43	page 45

Certifications and Standards of Compliance

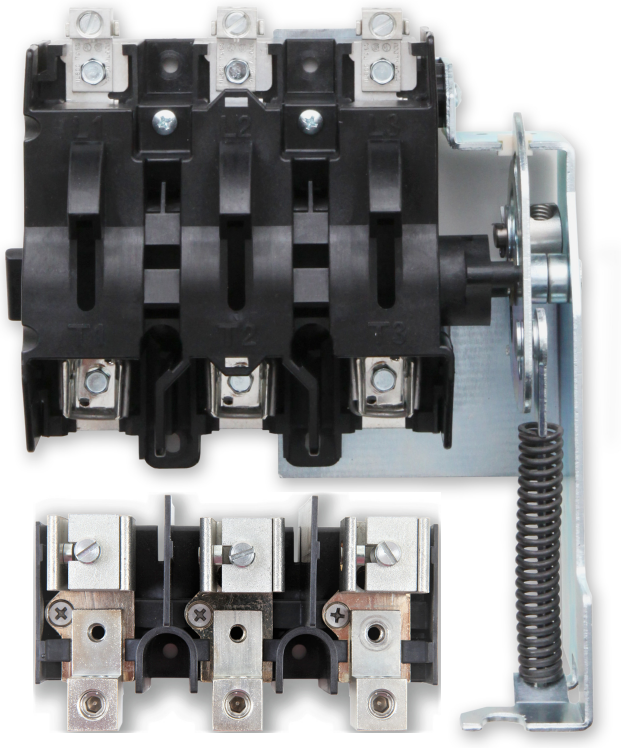
Bulletin No.	**1494U Universal**	**1494G Industrial Duty**	**1494G Hazardous Locations**	**1494H Heavy Duty**
Certifications	CE Marked	cULus Listed – File No. E227497; Guide No. WIAX	cULus Listed – File No. E239523; Guide No. WPRP	CSA Certified – File No. LR1234
	CSA Certified			UL Listed – File No. E227497; Guide No. WIAX
	UL Listed			
Standards Compliance	–	CSA C22.2 No. 4		
		UL 98		
		UL 508		

Overview

The Allen-Bradley® 1494U universal visible-blade flange disconnect switch provides you with the extra level of visual ON or OFF indication of a knife-blade disconnect design. This disconnect switch addresses needs across industries that have a global customer base by providing UL, CSA, CE, and CCC ratings in a single product line. You can choose from fusible or non-fusible versions. These disconnect switches can be operated with either rods or cables.

Bulletin 1494U offers up to 30% space savings over the previous Bulletin 1494F product. It is rated for installation in flange enclosure offerings, and features a universal mechanism for both flange cable or rod applications, simplifying the selection. The fused switch offers choice of J or R class fuse clips, and the IP20 fuse cover offers line-and load-size finger protection. The flexible cable operator is available in 3...6 in. (76.2...152.4 mm) length and offer greater freedom to locate the switch within the enclosure.

Bulletin 1494U is designed and tested to North American and international standards.



Catalog Number Explanation

Examples that are given in this section are for reference purposes. This basic explanation is not to be used for product selection; not all combinations produce a valid catalog number. The examples that are listed represent factory-assembled kits.

1494U	-	R	30	-	C3	-	LA	-	M	-	PC
a		b	c		d		d		d		d

a	
Bulletin Number	
Code	**Description**
1494U	Disconnect switch, rod, or cable operated

b	
Fusing[1]	
Code	**Description**
N	Non-fusible
J	Class J fuse
R	Class R fuse

c	
Switch Rating	
Code	**Description**
30	30 A
60	60 A
100	100 A
200	200 A
400	400 A
600	600 A

d	
Options[2]	
Code	**Description**
CR	Threaded rod
C3	Cable length — 3 ft (0.91 m)
C4	Cable length — 4 ft (1.2 m)
C5	Cable length — 5 ft (1.5 m)
C6	Cable length — 6 ft (1.8 m)
HJ[1]	J 200/400A fuse clips
LA[3]	Lugs — Al or Cu wire
LC[3]	Lugs — Cu wire
M	Painted metal handle
N	Non-metallic handle
NC	(1) NC auxiliary contact — 10 A
N.O.	(1) N.O. auxiliary contact — 10 A
NCNO	(1) NC and (1) N.O. auxiliary contact — 10 A
NCNC	(2) NC auxiliary contact — 10 A
NONO	(2) N.O. auxiliary contact — 10 A
PC	Protective cover — for line and load
S	Stainless[4]

(1) 30...100 A Class J fused kits are supplied with clips. 200 A and 400 A J fuses are direct mounted, or can be supplied as part of the kit using the "-HJ" code. The class H options are not configurable. Fuse clips must be selected separately.
(2) Operating mechanism, lugs, and handle are required selections. Options must be listed in alphabetical order to create a valid catalog number.
(3) Standard lugs supplied with 30/60/100 A devices. See Lug Table for 200/400/600 A lug options.
(4) Chrome plated steel for NEMA Type 4

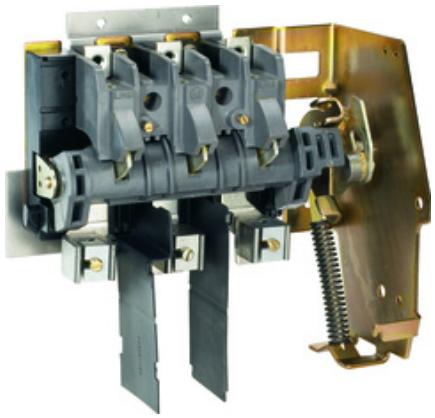
Lug Table

Code	Switch Rating [A]	Conductor Type	Cat. No.
blank[1]	30	Al	1494U-LA36
	60	Al	
	100	Al	1494U-LA100
LC	200	Cu	1494U-LC200
LA	200	AlCu	1494U-LA200
LC	400	Cu	1494R-N14
LC1	400	Cu	1494R-N15
LA	400	Al	1494U-LA400
LC[2]	600	Cu	1494R-N10
LCR[3]	600	Cu	1494R-N11
LC1	600	Cu	1494R-N12
LA	600	Al	1494U-LA600

(1) Supplied with disconnect switch
(2) Class J fuses
(3) Class R fuses

Product Selection

Use the components product selection tables for user-assembled devices.



Universal Disconnect Switches

Continuous Current Rating [A]	Maximum Hp - UL and CSA Applications									Maximum kW - IEC Applications (Category AC 23)			Cat. No.
	3-Phase, 60 Hz					1 Phase, AC		DC[1]		3-Phase, 50 Hz			
	115V	200...208V	230V	460V	575V	115V	230V	250V	600V	220...240V	380...440V	500...600V	
30	3	7.5	7.5	15	20	2	3	–	15	5.5	11	15	1494U-D30[2]
60	7.5	15	15	30	50	3	10	–	30	11	22	37	1494U-D60[2]
100	–	25	30	60	75	–	–	–	50	22	45	55	1494U-D100[2]
200	–	50...60	60	125	150	–	–	–	40	48	90	110	1494U-D200
400	–	75	125	250	350	–	–	50	–	90	185	257	1494U-D400
600	–	150	200	400	500	–	–	50	–	150	295	375	1494V-DS600

(1) Ratings are based on 2 Poles in series to break one line of the DC supply voltage and the remaining pole to break the second DC supply line.
(2) Terminal lugs are installed on the line side of each disconnect switch. Additional terminal lugs are included with each disconnect switch for field installation on the load side of the switch or on the fuse block.

Variable Rod Operator — Rod and Support Bracket

	Disconnect Switch Size [A]	Enclosure Working Depth [in. (mm)[1]]		Cat. No.
		Minimum	Maximum	
	30, 60, 100, 200	6-3/4 (172)	19 (483)	1494U-R1
	200	6-3/4 (172)	9-1/8 (232)	1494V-RA3
	200	9-1/8 (232)	21-5/8 (585)	1494V-RA4
	400, 600	9-1/2 (241)	10 (254)	1494-RB3[2]
	400, 600	9-1/2 (241)	23 (584)	1494V-RB4[2]

(1) Enclosure depth is measured from the top of the flange to the disconnect switch mounting surface.
(2) Kit includes two connecting rods.

Operating Handles

	Handle Type	Description	Mounting	Disconnect Switch Size [A]	Cat. No.
	Type 1, 3R, 4, 4X, 12	Nonmetallic	Right or Left Flange	30, 60, 100, 200	1494U-HP1(1)
	Type 1, 3R, 4, 4X, 12	Nonmetallic	Right or Left Flange	30, 60, 100, 200	1494F-P1
	Type 1, 3R, 4, 12	Painted Metal	Right or Left Flange	30, 60, 100, 200	1494U-HM1(1)
	Type 1, 3R, 4, 12	Painted Metal	Right or Left Flange	30, 60, 100, 200	1494F-M1
	Type 1, 3R, 4, 12	Painted Metal	Right or Left Flange	400, 600	1494F-M2(1)
	Type 4, 4X	Stainless	Right or Left Flange	30, 60, 100, 200	1494U-HS1(1)
	Type 4, 4X	Stainless	Right or Left Flange	30, 60, 100, 200	1494F-S1
	Type 4, 4X	Stainless	Right or Left Flange	400, 600	1494F-S2

(1) Kits include the listed operating handle type.

Cable Operator Mechanism and Cable

	Disconnect Switch Size [A]	Cable Length [ft (m)]	Cable Mechanism Cat. No.
	30, 60, 100	3 (0.91)	1494U-C313
	30, 60, 100	4 (1.22)	1494U-C314
	30, 60, 100	5 (1.52)	1494U-C315
	30, 60, 100	6 (1.83)	1494U-C316
	200	4 (1.22)	1494U-C24
	200	5 (1.52)	1494U-C25
	200	6 (1.83)	1494U-C26
	400	4 (1.22)	1494U-C44
	400	5 (1.52)	1494U-C45
	400	6 (1.83)	1494U-C46
	600	4 (1.22)	1494U-C64
	600	5 (1.52)	1494U-C65
	600	6 (1.83)	1494U-C66

Trailer Fuse Block Kits

	Disconnect Switch Size [A]	Fuse	Cat. No.
	30	See Fuse Clip Kits on page 7	1494U-F30
	60		1494U-F60
	100		1494U-F100
	200		1494U-F200
	400		1494U-F400
	600	Class J	1494V-FS600
	600	Class H	1491-N621(1)
	600	Class R	1491-R621(1)

(1) Separately mounted fuse blocks (3 are required).

Fuse Clip Kits

	Fuse Class	Fuse Clip Rating [A]		Cat. No.(1)
		250V	600V	
	H	30	–	1494U-FC302J
	H	60	30	1494U-FC30J
	H	–	60	1494U-FC60J
	H	100	100	1494U-FC100J
	H	200	200	1401-N45
	H	400	400	1401-N46
	H	600	600	–
	J	–	30	1494U-FC30J
	J	–	60	1494U-FC60J
	J	–	100	1494U-FC100J(2)
	J	–	200	1401-N45(2)
	J	–	400	1401-N46(2)
	J	–	600	–
	R	30	–	1494U-FC302R
	R	60	30	1494U-FC30R
	R	–	60	1494U-FC60R
	R	100	100	1494U-FC100R
	R	200	200	1401-N54
	R	400	400	1401-N55
	R	600(3)	600(3)	–

(1) Six clips included per kit.
(2) Fuse clips are not required when bolted to a terminal.
(3) Included with Bulletin 1491 separately mounted fuse blocks.

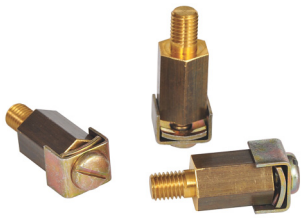
See page 21 for approximate fuse dimensions.

Accessories

Auxiliary Contacts and Electrical Interlocks

	Description	Contacts	Disconnect Switch Size [A]	Cat. No.
Auxiliary Contacts				
	Auxiliary Contact • Indicates ON/OFF status of Bulletin 1494U • Duplicates position of switch blades • QuadConnect™ contact • 2.5 A • C300, R150	1 N.O.	30...200	1494U-NOLV
		1 N.C.	30...200	1494U-NCLV
	Auxiliary Contact • Indicates ON/OFF status of Bulletin 1494U • Duplicates position of switch blades • Standard contact • 10 A • A600, Q600	1 N.O.	30...200	1494U-NO
		1 N.C.	30...200	1494U-NC
		1 N.O.	400	1495-N8
		1 N.C.	400	1495-N9
		1 N.O.	600	595-A
		1 N.C.	600	595-B
	Contact Adapter Kit[1] • One adapter kit required per auxiliary contact	–	600	595-N1
Electrical Interlocks[2]				
–	Electrical Interlock • Removes system voltage from electronics to help prevent damage by transient voltage that is caused by opening the switch • Early break • 10 A • 250V AC/DC	2 N.O.	30...100	1494U-AE
	Electrical Interlock • Removes system voltage from electronics to help prevent damage by transient voltage that is caused by opening the switch • Early break • Right-hand mechanism	1 N.O. and 1 N.C.	400	1495-N43
		1 N.O. and 1 N.C.	600	1495-N34[3]
		2 N.O. and 2 N.C.	400	1495-N44
		2 N.O. and 2 N.C.	600	1495-N35
	Electrical Interlock • Removes system voltage from electronics to help prevent damage by transient voltage that is caused by opening the switch • Early break • Standard contact	2 N.O. and 2 N.C.	200	1494U-AE200
Control Voltage Taps				

Auxiliary Contacts and Electrical Interlocks (Continued)

	Description	Contacts	Disconnect Switch Size [A]	Cat. No.
	Control Voltage Tap (2 per package)		30...100	1494U-ALT31
			200	1494U-ALT200
			400	1494R-N19
			600	1494U-ALT600

(1) One adapter kit required per auxiliary contact.
(2) Not configurable; must be purchased individually.
(3) Additional adapter kit Cat. No. 1495-N36 is required for installation

Fuse Covers

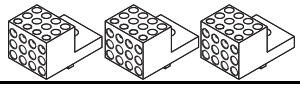
	Disconnect Switch Size [A]	Fuse Class	Fuse Clip Rating [A]		Use with Fuse Clips	Fuse Cover Cat. No.	IP20 and IP1XB Fuse Cover Cat. No.
			250V	600V			
	30, 60, 100	Non-fusible	–	–	–	1494U-PC1	1494U-PC2-IP20(1)
	30	H, J	30	–	1494U-FC302J	1494U-PC1	1494U-PC2-IP20(1)
	30	R	30	–	1494U-FC302R	1494U-PC1	1494U-PC2-IP20(1)
	30	H, J	–	30	1494U-FC30J	1494U-PC1	1494U-PC2-IP20(1)
	60	H, J	–	60	1494U-FC60J	1494U-PC1	1494U-PC2-IP20(1)
	100	H, J	–	100	1494U-FC100J	1494U-PC2	1494U-PC2-IP20(1)
	30	R	–	30	1494U-FC30R	1494U-PC2	1494U-PC2-IP20(1)
	60	R	–	60	1494U-FC60R	1494U-PC2	1494U-PC2-IP20(1)
	100	R	–	100	1494U-FC100R	1494U-PC2	1494U-PC2-IP20(1)
	200	H, J	200	200	1401-N45	1494U-PC200	1494U-PC200-IP20
	200	R	200	200	1401-N54	1494U-PC200	1494U-PC200-IP20
	400	H, J	400	400	1401-N46	1494U-PC400	1494U-PC400-IP1XB
	400	R	400	400	1401-N55	1494U-PC400	1494U-PC400-IP1XB
	600	Non-fusible	–	–	–	1495-N61	–
	600	H, J	400	400	1401-N46	1495-N61	–
	600	R	400	400	1401-N55	1495-N61	–
	600	J	600	600	–(2)	1495-N61	–
	600	H, R	600	600	1491-R621 1491-N621	1495-N69(3)	–

(1) For use with fused disconnects or non-fused is a larger enclosure
(2) Fuse clips are not required when bolted to the terminals.
(3) For use with separately mounted fuse blocks. See publication 1495-IN012.

Terminal Lug Connectors

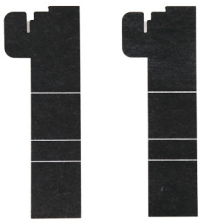
	Disconnect Switch Size [A]	Conductor Type	Number of Conductors	Wire Size [AWG]	Cat. No. (Pkg. Qty. = 3)
	30...60	Cu wire	1	14...4	1494U-LC36
	30...60	Cu wire	2	14...8	1494U-LC36
	30...60	Cu wire	4	16	1494U-LC36
	30...60	Cu wire	1	14...2	1494U-LA36(1)
	30...60	Al wire	1	12...2	1494U-LA36(1)
	30...60	Cu wire	2(2)	14...10	1494U-LA36(1)
	30...60	Al wire	2(2)	12...10	1494U-LA36(1)
	100	Cu wire	1	8...1/0	1494U-LC100
	100	Cu Wire	1	14...1/0	1494U-LA100(1)
	100	Al wire	1	12...1/0	1494U-LA100(1)
	100	Cu wire	2(2)	12...4	1494U-LA100(1)
	100	Al wire	2(2)	12...4	1494U-LA100(1)
	200	Cu wire	1	6...250 MCM	1494U-LC200
	200	Cu or Al wire	1	6...250 MCM	1494U-LA200
	400	Cu wire	2	1/0...250 MCM	1494R-N14
	400	Cu wire	1	4/0...500 MCM	1494R-N15(3)
	600	Cu wire	2	1/0...350 MCM (Class J fuse)	1494R-N10
	400	Cu or Al wire	2	1/0...300 MCM	1494U-LA400
	600	Cu wire	2	1/0...350 MCM (Class H/R fuse)	1494R-N11(4)

Terminal Lug Connectors (Continued)

	Disconnect Switch Size [A]	Conductor Type	Number of Conductors	Wire Size [AWG]	Cat. No. (Pkg. Qty. = 3)
	600	Cu wire	1	1/0...500 MCM	1494R-N12[4]
	600	Cu or Al wire	2	1/0...500 MCM	1494U-LA600
Multiple Cable Terminal Lugs for multiple motor application (load side only)					
	30...100	Cu wire	6	14...4	1494U-LM31
	30...100	Al wire	6	12...4	1494U-LM31
	30...100	Cu or Al wire	6[5]	(2) 10	1494U-LM31
	200	Cu or Al wire	6	14...4	1494U-LM200
	400	Cu or Al wire	12	14...4	1494U-LM400
	600	Cu or Al wire	12	14...10	1494U-LM600

(1) Supplied standard with 1494U kits.
(2) Wire pairs must be consistent in type, strand, and wire size.
(3) When the 1494R-N15 lug kit is used, the switch is not to exceed a load current of 380 A.
(4) For use with Cat. No. 1491-N621 or 1491-R621 separately mounted fuse blocks. Package Qty 2.
(5) Allows for (2) #10 (Cu or Al) per terminal

Replacement Parts

	Description	Cat. No.
	Hardware Kit for 30...100 A disconnect switches • Includes (4) mounting screws and (1) line-side shield	1494U-K31
	Hardware Kit for 30...100 A fuse blocks • Includes (2) mounting screws and (2) phase barriers.	1494U-PB31
	200 A phase barrier	1494U-PB200

Specifications

1494U Disconnect Switch Specifications

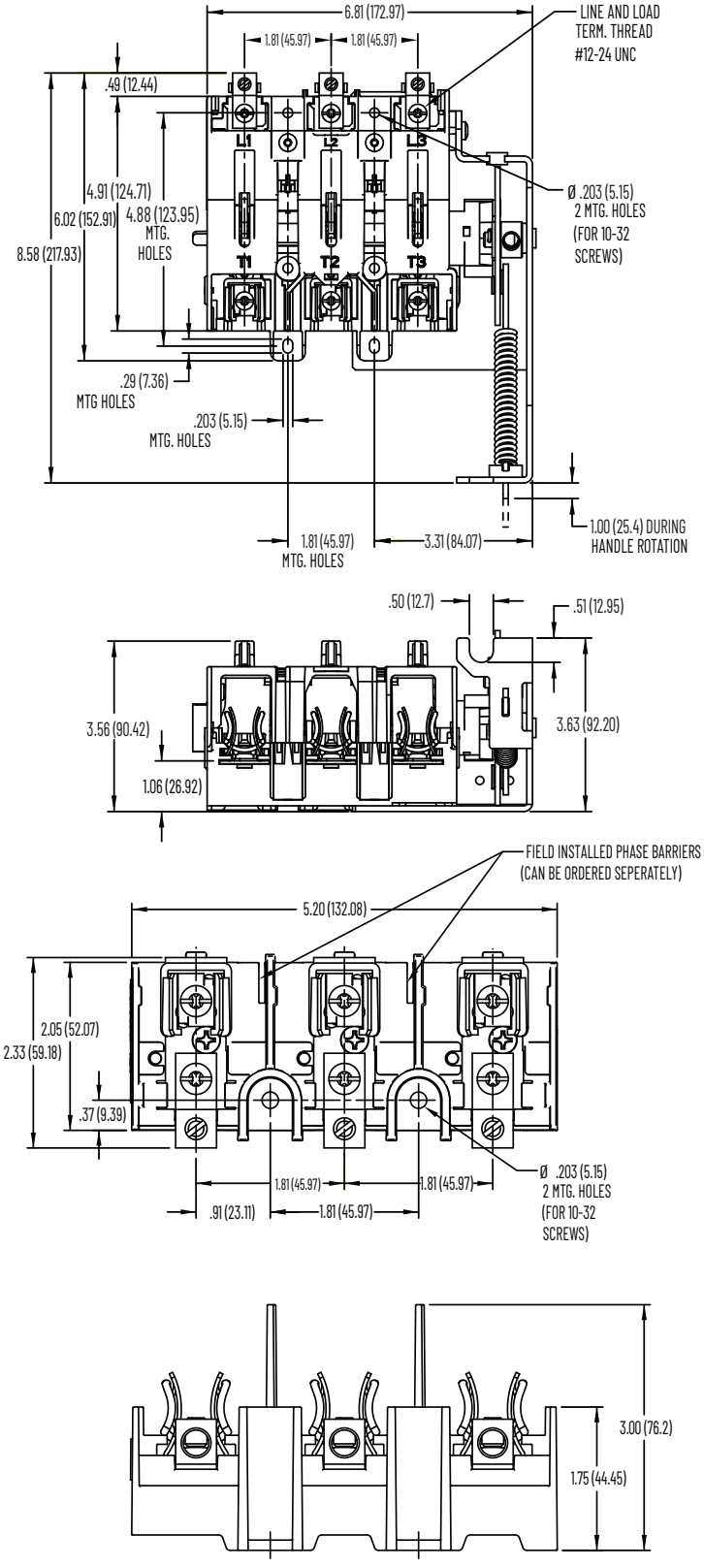
Auxiliary Contact Electrical Ratings							
Standard Contact 1 N.O. or 1 N.C.	NEMA/EEMAC	A600[1], Q600					
	IEC	AC 15, DC 13 to IEC/EN60947-5-1 and UL 508, 17V, 5 mA minimum					
Low-Level Contact 1 N.O. or 1 N.C.	NEMA/EEMAC	C300, R150					
	IEC	AC 15, DC 13 to IEC/EN60947-5-1 and UL 508, 5V, 1 mA minimum					
Electrical Interlock Ratings							
Standard Contact 2 N.O.	NEMA/EEMAC	10 A: 250V AC, 0.3 A: 250V DC					
Mechanical							
Degree of Protection	Operating handles	Non-metallic Type 1, 3R, 4, 4X, 12 Painted Type 1, 3R, 4, 12 Stainless Type 4, 4X				Painted Type 1, 3R, 4, 12 Stainless Type 4, 4X	
Switch Size		30 A	60 A	100 A	200 A	400 A	600 A
Mechanical Life (typical operations)		10 000			8000	6000	5000
Switching Frequency (operations/min), maximum		6			5	4	3
Environmental							
Ambient Temperature	Open	-20...+60 °C (-4...+140 °F)					
	Enclosed	-20...+40 °C (-4...+104 °F)					
	Storage	-40...+65 °C (-40...+149 °F)					
Altitude (per IEC 947-1)		2000 m (6562 ft					
Relative Humidity (per IEC 947-1)		90% at 20 °C (68 °F) and 50% at 40 °C (104 °F)					
Design Specification/Test Requirements							
Dielectric Strength		2200V for 1 minute					
Short-circuit Withstand Capability		10 000 A, 600V AC/DC: unfused or with Class H fuses 10 000 A, 600V DC: with Class J or Class R fuses 200 000 A, 600V AC: with Class J or Class R fuses					
Construction							
Switch Body Material		Glass-filled thermoplastic				Glass-filled thermoset plastic	
Switch Size		30 A	60 A	100 A	200 A	400 A	600 A
Conductor Size		See Replacement Parts on Page 13					
Switches, Mechanisms, and Accessory Kits		Zinc-plated steel, RoHS compliant finish					

(1) The rating for 1 N.O., 200 A is B600.

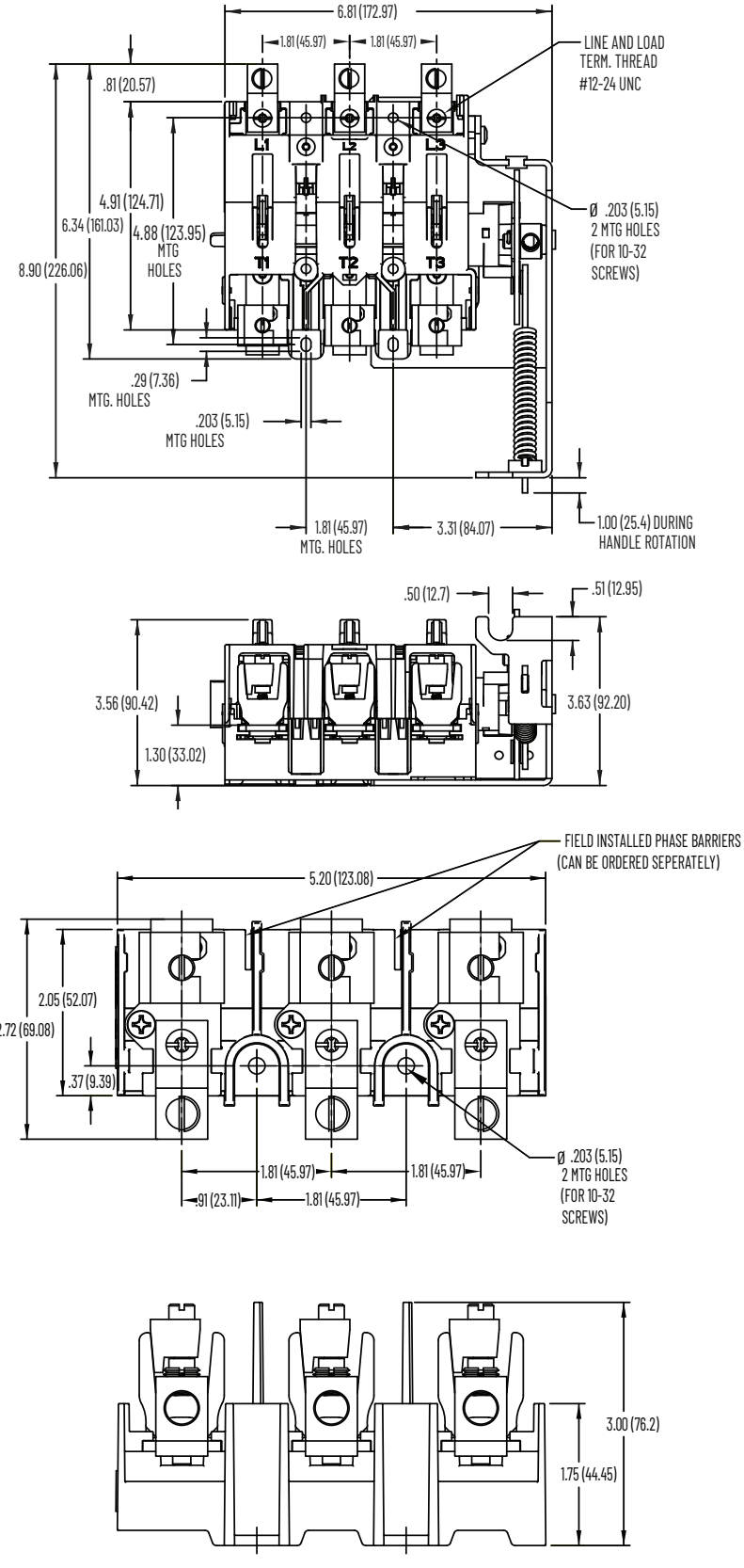
Approximate Dimensions

Approximate Dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

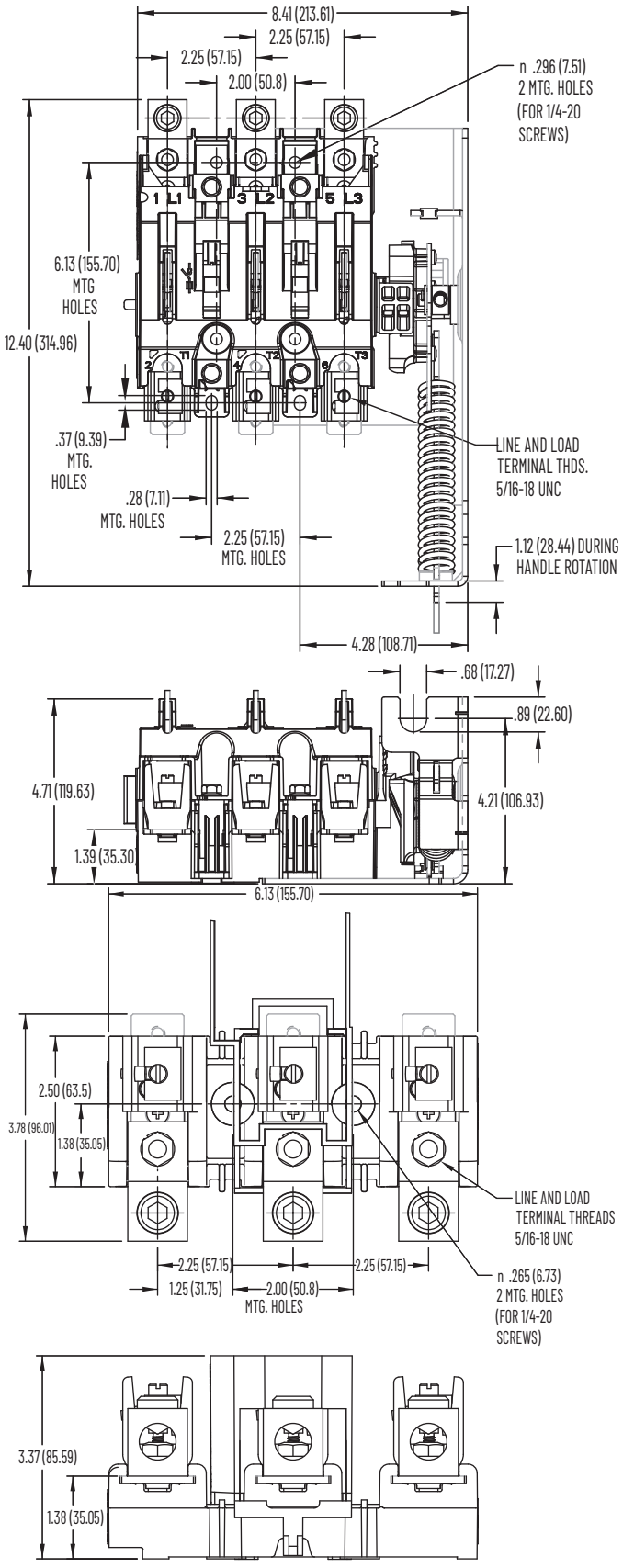
Universal Disconnect Switch and Fuse Block, 30...60 A



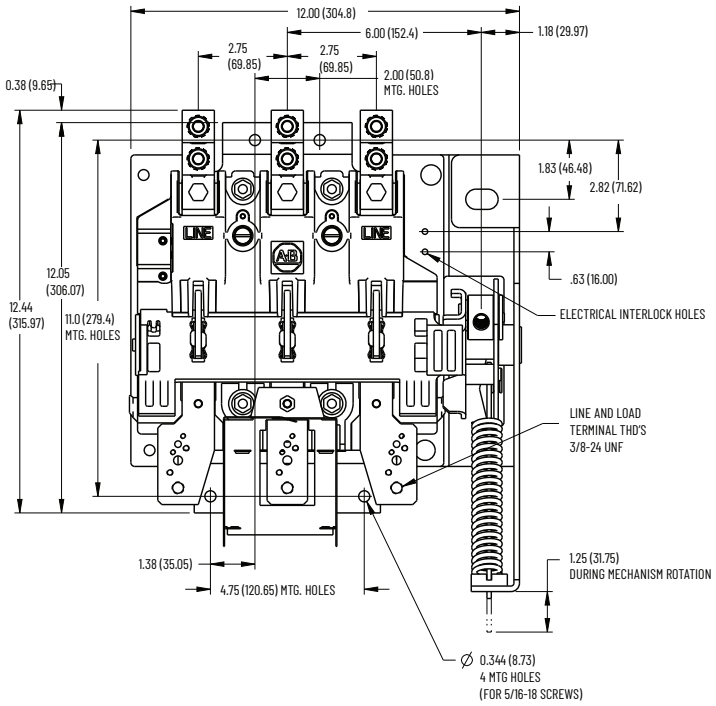
Universal Disconnect Switch and Fuse Block, 100 A

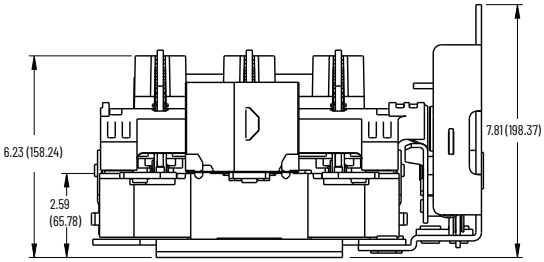


Universal Disconnect Switch and Fuse Block, 200 A



Universal Disconnect Switch and Fuse Block, 400 A





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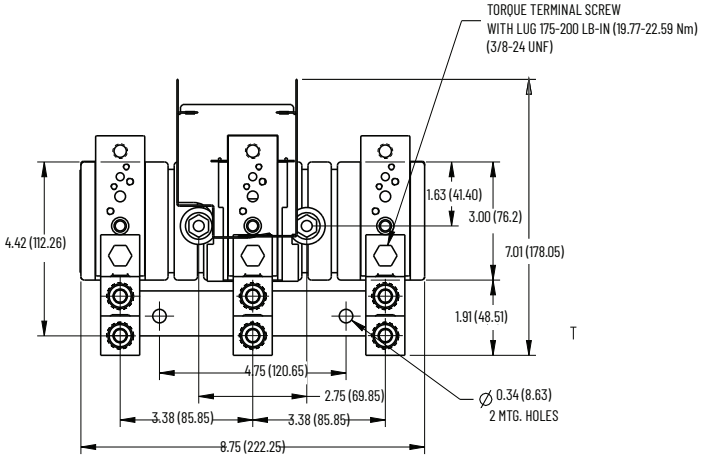

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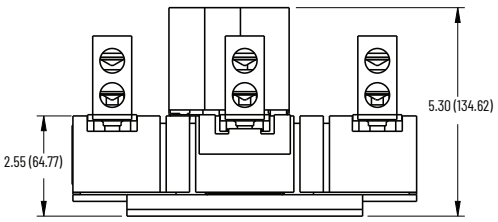
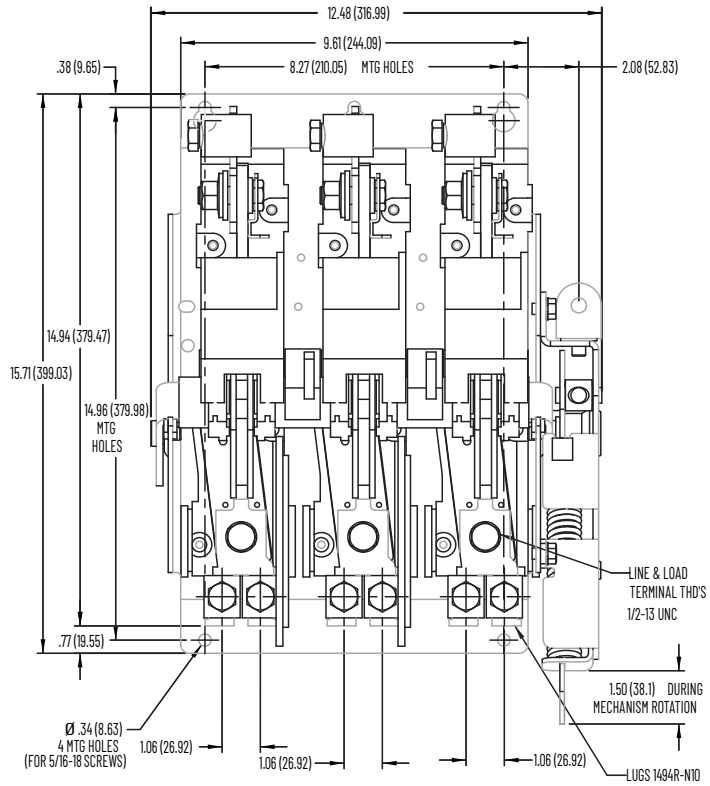
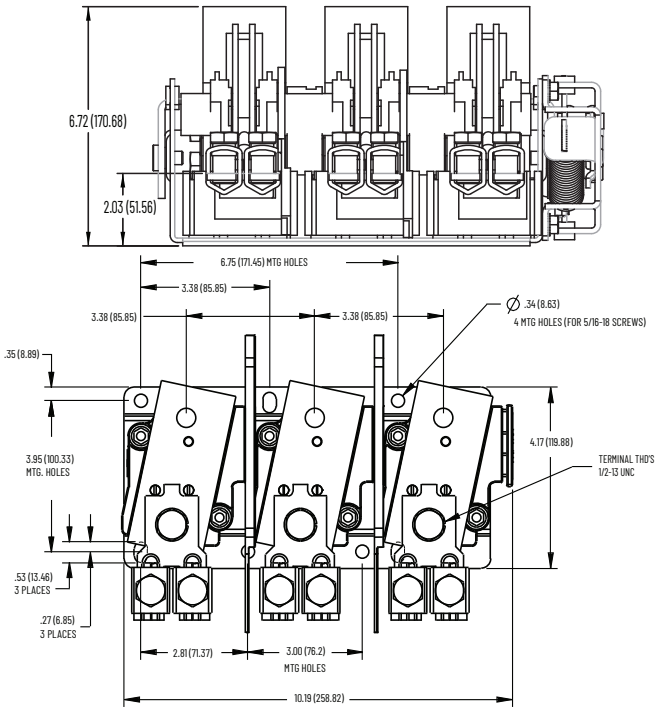
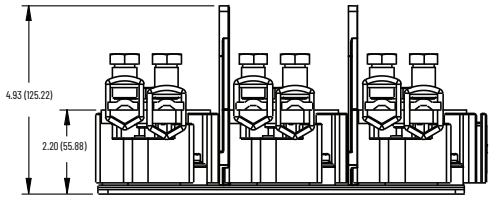


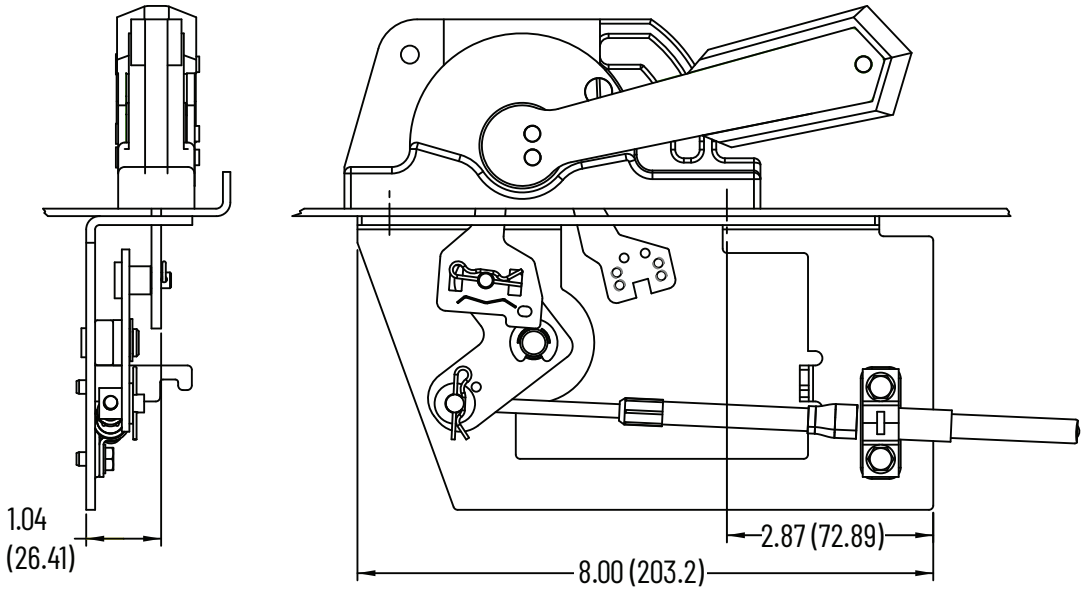
Universal Disconnect Switch and Fuse Block, 600 A



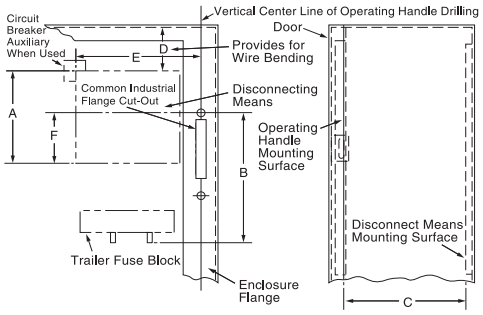


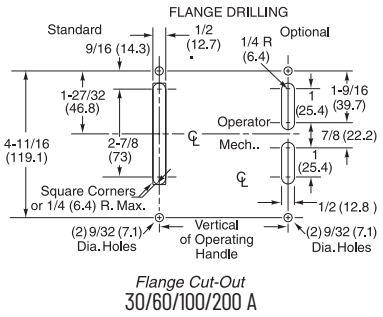


Universal Handle with Support Bracket, 30...200 A

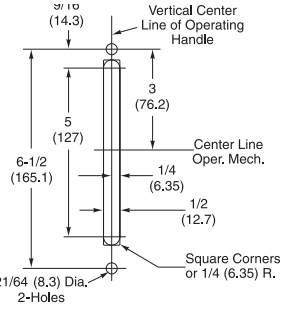


1494U Flange Cut-Out





Flange Cut-Out
30/60/100/200 A



Flange Cut-Out
400/600 A

NEMA Size	A	B(1)	C		D	E	F	Switch Mounting Hole Diameter
		Max	Min	Max				
30	6-19/64 (160)	7-31/32 (202)	8-1/2 (216)	21-5/8 (549)	2-3/4 (69.9)	7-9/16 (192	3-7/8 (98.5)	7/32 in.
60		8-15/32 (215)			2-9/16 (65.1)			
100		9-1/8 (231.8)			3-37/64 (90.9)			
200	8-5/64 (205.2)	15-9/64 (384.5)	9-1/2 (241.3)		6-35/64 (166.3)	8-25/32 (223)	4-21/32 (118)	19/64 in.
400	11 (279.4)	18-7/32 (462.7)	10-1/2 (266.7)		8 (203.2)	10 (254)	5-1/2 (139.7)	11/32 in.
600	15-23/32 (399.2)	17-19/32 (446.8)(2)			12 (304.8)	11-27/32 (300.8)	8-51/64 (223.3)	

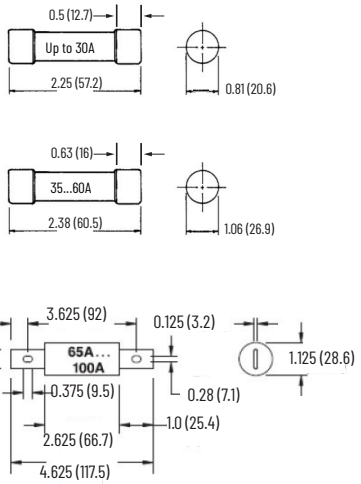
(1) This approximation varies by fuse class and size.

(2) Approximate dimension with Class J fuses.

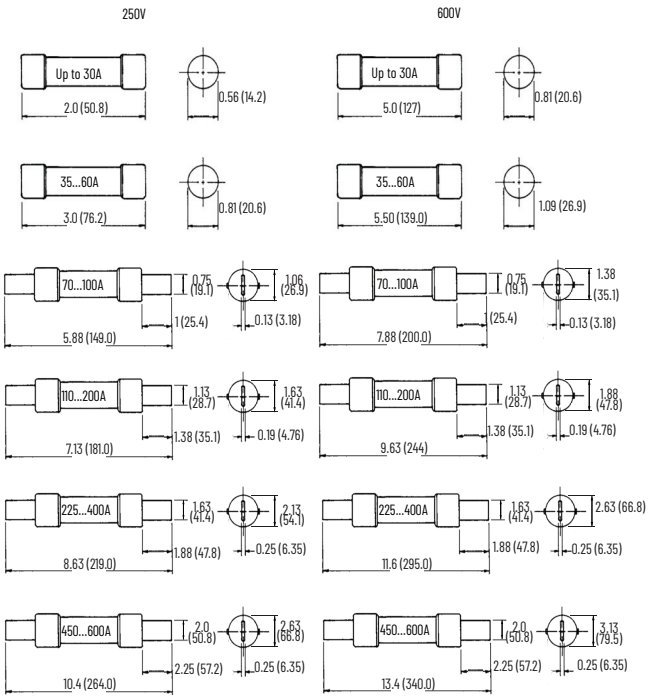
Fuses

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended for to be used manufacturing purposes.

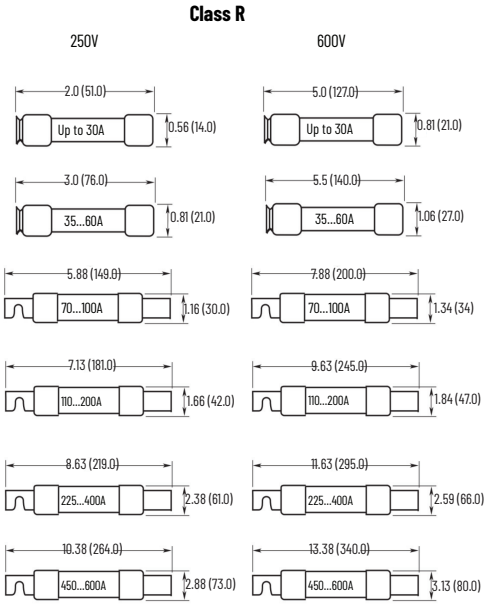
Class J



Class H



Class R



Overview

The Allen-Bradley® 1494G Safety Disconnect Switches are designed for industrial and heavy commercial applications, and for hazardous locations. The switches feature a lockable handle with a disconnect switch that is linked to the handle at all times. Disconnect switches are available with switch ratings 30…600 A. Switches are offered in fusible (accommodates Class J, R, and H fuses) and non-fusible configurations.

Other key features:

- 240V available in 2-pole, single-phase, and 3-pole, 3-phase versions.
- 600V (fusible and non-fusible) switches available in 3-pole, 3-phase versions
  - 6-pole, 3-phase only available for 600V non-fusible
- 30…100 A switch ratings in extra-capacity enclosures and 6-pole, 3-phase applications
- Standard non-metallic handle (30…200 A), metal, or stainless-steel handle optional
- Visible blade construction for safety
- Type 3R/4/12 (painted metal), Type 4/4X (stainless-steel) enclosures available
  - Non-metallic Type 4/4X enclosures offered for 600V fusible only
- Options — factory-installed
- Accessories — field installed

Catalog Number Explanation

Examples that are given in this section are for reference purposes. This basic explanation is not to be used for product selection; not all combinations produce a valid catalog number.

The examples that are listed represent factory-assembled kits.

1494G	–	B	F	3	J	6	–	98	–	203 W	–	414
a		b	c	d	e	f				g		

a	
Bulletin Number	
Code	**Description**
1494G	Enclosed disconnect safety switch in standard-size enclosure (30…600 A)
1494GY	Enclosed disconnect safety switch in large-size enclosure (30…200 A)
1494GX	Enclosed disconnect safety switch in extra large-size enclosure (30…100 A)

b	
Switch Ratings [A]	
Code	**Description**
B	30
C	60
D	100
E	200
F	400
G	600

c	
Enclosure Type	
Code	**Description**
F	Type 3R/4/12: Rainproof, water-resistant, dust-tight, painted metal enclosure with screw fasteners and non-metallic handle
C	Type 4/4X: Water-resistant, corrosion-resistant, 304 stainless-steel enclosure with screw fasteners and non-metallic handle
K	Type 12: Hazardous location (Class II, Division 2, Group F+G and Class III Division 1 and 2) painted metal enclosure with screw fasteners and non-metallic handle

d	
Poles	
Code	**Description**
2	2-pole, 1-phase
3	3-pole, 3-phase
6	6-pole, 3-phase

e	
Fusing	
Code	**Description**
N	Non-fusible
H	Class H fuse clips
J	Class J fuse clips
R	Class R fuse clips

f	
Fuse Voltage	
Code	**Description**
Blank	Non-fusible
2	240V AC/250V DC
6	600V AC/600V DC

g	
Options (Factory-installed)	
Code	**Description**
1S	Momentary push button(1) (flange-mounted)
3	3-position selector switch(1)
3E	2-position selector switch(1)
3EI	2-position selector switch (Illuminated)(1)
3S	3-position selector switch (spring return)(1)
4	Pilot light(1)(2)
5	Push-to-test pilot light(1)(2)
98	N.O. auxiliary – disconnect
99	N.C. auxiliary – disconnect
203 W	Viewing window
412	Painted metal handle
413	Stainless-steel handle
414	Protective fuse cover
420	1 N.O. and 1 N.C. interlock
421	2 N.O and 2 N.C. interlocks
988	(2) N.O. auxiliary – disconnect
989	(1) N.O. - (1) N.C. auxiliary – disconnect
999	(1) N.O. and (1) N.C. auxiliary – disconnect

(1) Specify lens color by adding one of the following letters: **R** = Red, **A** = Amber, **B** = Blue, **G** = Green.
(2) 3-pole enclosed switches can accommodate one pilot device, 6-pole enclosed switches can accommodate five pilot switches.

Product Selection

Industrial Safety Disconnect Switches – Fusible Type

240V Fusible Switches with Class H Fuse Clips

Standard-Size Enclosure (240V, 2-pole, 1-phase/3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.			
	240V AC 1-phase		240V AC 3-phase		250V DC	Type 3R/4/12[2] Painted Metal		Type 4/4X 304 Stainless-steel	
	Standard	Max	Standard	Max		2-pole, 1-phase	3-pole, 3-phase	2-pole, 1-phase	3-pole, 3-phase
30	1.5	3	3	7.5	5	1494G-BF2H2	1494G-BF3H2	1494G-BC2H2	1494G-BC3H2
60	3	10	7.5	15	10	1494G-CF2H2	1494G-CF3H2	1494G-CC2H2	1494G-CC3H2
100	7.5	15	15	30	20	1494G-DF2H2	1494G-DF3H2	1494G-DC2H2	1494G-DC3H2
200	15	15	25	60	40	1494G-EF2H2	1494G-EF3H2	1494G-EC2H2	1494G-EC3H2
400	–	–	50	125	50	–	1494G-FF3H2	–	1494G-FC3H2
600	–	–	75	200	60	–	1494G-GF3H2	–	1494G-GC3H2

Extra Large-Size Enclosure (240V, 2-pole, 1-phase/3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.			
	240V AC 1-phase		240V AC 3-phase		250V DC	Type 3R/4/12[2] Painted Metal		Type 4/4X 304 Stainless-steel	
	Standard	Max	Standard	Max		2-pole, 1-phase	3-pole, 3-phase	2-pole, 1-phase	3-pole, 3-phase
30	1.5	3	3	7.5	5	1494GX-BF2H2	1494GX-BF3H2	1494GX-BC2H2	1494GX-BC3H2
60	3	10	7.5	15	10	1494GX-CF2H2	1494GX-CF3H2	1494GX-CC2H2	1494GX-CC3H2
100	7.5	15	15	30	20	1494GX-DF2H2	1494GX-DF3H2	1494GX-DC2H2	1494GX-DC3H2

Large-Size Enclosure (240V, 2-pole, 1-phase/3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.			
	240V AC 1-phase		240V AC 3-phase		250V DC	Type 3R/4/12[2] Painted Metal		Type 4/4X 304 Stainless-steel	
	Standard	Max	Standard	Max		2-pole, 1-phase	3-pole, 3-phase	2-pole, 1-phase	3-pole, 3-phase
30	1.5	3	3	7.5	5	1494GY-BF2H2	1494GY-BF3H2	1494GY-BC2H2	1494GY-BC3H2
60	3	10	7.5	15	10	1494GY-CF2H2	1494GY-CF3H2	1494GY-CC2H2	1494GY-CC3H2
100	7.5	15	15	30	20	1494GY-DF2H2	1494GY-DF3H2	–	–
200	15	15	25	60	40	1494GY-EF2H2	1494GY-EF3H2	–	–

Standard-Size Enclosure[1] (240V, 6-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower		Cat. No.	
	240V AC, 3-phase		Type 3R/4/12 Painted Metal	Type 4/4X Stainless-steel
	Standard	Max	6-pole, 3-phase[2]	
30	3	7.5	1494G-BF6H2	1494G-BC6H2
60	7.5	15	1494G-CF6H2	1494G-CC6H2
100	15	30	1494G-DF6H2	1494G-DC6H2

(1) Class R and J fuse clips can be supplied as a factory option in place of Class H clips. To order Class R fuse clips, replace H from the Cat. No. with R. Example: Cat. No. 1494G-BF2H2 becomes 1494G-BF2R2. To order Class J fuse clips, replace H from the Cat. No. with J. Example: Cat. No. 1494G-BF2H2 becomes 1494G-BF2J2. This also applies to Bulletins 1494GX and 1494GY.
(2) Type 12 hazardous location enclosure (Class II, Division 2, Group F+G and Class III, Divisions 1 and 2) can be supplied by replacing the **F** in the listed cat. no. with the letter **K**. Example: **Cat. No. 1494G-BK3N**

600V Fusible Switches with Class J Fuse Clips

Standard-Size Enclosure[1] (3-pole, 3-phase)

	Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.	
		480V AC		600V AC		250V DC	Type 3R/412[2] Painted Metal	Type 4/4X 304 Stainless-steel
		Standard	Max	Standard	Max		3-pole, 3-phase	
	30	5	15	7.5	20	5	1494G-BF3J6	1494G-BC3J6
	60	15	30	15	50	10	1494G-CF3J6	1494G-CC3J6
	100	25	60	30	75	20	1494G-DF3J6	1494G-DC3J6
	200	50	125	60	150	40	1494G-EF3J6	1494G-EC3J6
	400	100	250	125	350	50	1494G-FF3J6	1494G-FC3J6
	600	150	400	200	500	50	1494G-GF3J6	1494G-GC3J6

(1) Class R and H fuse clips can be supplied as a factory option in place of Class J clips. To order Class R fuse clips, replace **J** from the cat. no. with **R**. Example: **Cat. No. 1494G-BF2J2** becomes **1494G-BF2R2**. To order Class H fuse clips, replace **J** from the cat. no. with **H**. Example: **Cat. No. 1494G-BF2J2** becomes **1494G-BF2H2.** The same applies to Bul. 1494GX and 1494GY.
(2) Type 12 hazardous location enclosure (Class II, Division 2, Group F+G and Class III, Divisions 1 and 2) can be supplied by replacing the **F** in the listed cat. no. with the letter **K**. Example: **Cat. No. 1494G-BK3N**

Extra Large-Size Enclosure[1] (3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.	
	480V AC		600V AC		250V DC	Type 3R/412[2] Painted Metal	Type 4/4X Stainless-steel
	Standard	Max	Standard	Max		3-pole, 3-phase	
30	5	15	7.5	20	5	1494GX-BF3J6	1494GX-BC3J6
60	15	30	15	50	10	1494GX-CF3J6	1494GX-CC3J6
100	25	60	30	75	20	1494GX-DF3J6	1494GX-DC3J6

(1) Class R and H fuse clips can be supplied as a factory option in place of Class J clips. To order Class R fuse clips, replace **J** from the cat. no. with **R**. Example: **Cat. No. 1494G-BF2J2** becomes **1494G-BF2R2**. To order Class H fuse clips, replace **J** from the cat. no. with **H**. Example: **Cat. No. 1494G-BF2J2** becomes **1494G-BF2H2.** The same applies to Bul. 1494GX and 1494GY.
(2) Type 12 hazardous location enclosure (Class II, Division 2, Group F+G and Class III, Divisions 1 and 2) can be supplied by replacing the **F** in the listed cat. no. with the letter **K**. Example: **Cat. No. 1494G-BK3N**

Large-Size Enclosure[1] (3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.	
	480V AC		600V AC		250V DC	Type 3R/412[2] Painted Metal	Type 4/4X 304 Stainless-steel
	Standard	Max	Standard	Max		3-pole, 3-phase	
30	5	15	7.5	20	5	1494GY-BF3J6	1494GY-BC3J6
60	15	30	15	50	10	1494GY-CF3J6	1494GY-CC3J6
100	25	60	30	75	20	1494GY-DF3J6	–
200	50	125	60	150	40	1494GY-EF3J6	–

(1) Class R and H fuse clips can be supplied as a factory option in place of Class J clips. To order Class R fuse clips, replace **J** from the cat. no. with **R**. Example: **Cat. No. 1494G-BF2J2** becomes **1494G-BF2R2**. To order Class H fuse clips, replace **J** from the cat. no. with **H**. Example: **Cat. No. 1494G-BF2J2** becomes **1494G-BF2H2.** The same applies to Bul. 1494GX and 1494GY.
(2) Type 12 hazardous location enclosure (Class II, Division 2, Group F+G and Class III, Divisions 1 and 2) can be supplied by replacing the **F** in the listed cat. no. with the letter **K**. Example: **Cat. No. 1494G-BK3N**

Industrial Safety Disconnect Switches – Non-fusible Type

Standard-Size Enclosure (3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/ 250V DC	Horsepower					Cat. No.	
	480V AC		600V AC		250V DC	3-pole, 3-phase	
	Standard	Max	Standard	Max		Type 3R/4/12[1] Painted Metal	Type 4/4X 304 Stainless-steel
30	5	20	7.5	30	5	1494G-BF3N	1494G-BC3N
60	15	50	15	60	10	1494G-CF3N	1494G-CC3N
100	25	60	30	75	20	1494G-DF3N	1494G-DC3N
200	50	125	60	150	40	1494G-EF3N	1494G-EC3N
400	100	250	125	350	50	1494G-FF3N	1494G-FC3N
600	150	400	300	500	50	1494G-GF3N	1494G-GC3N

Extra Large Enclosure (3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.	
	480V AC		600V AC		250V DC	Type 3R/4/12[1] Painted Metal	Type 4/4X 304 Stainless-steel
	Standard	Max	Standard	Max		3-pole, 3-phase	
30	5	20	7.5	30	5	1494GX-BF3N	1494GX-BC3N
60	15	50	15	60	10	1494GX-CF3N	1494GX-CC3N
100	25	60	30	75	20	1494GX-DF3N	1494GX-DC3N

Large-Size Enclosure (3-pole, 3-phase)

Continuous Current Rating [A] 600V AC/250V DC	Horsepower					Cat. No.	
	480V AC		600V AC		250V DC	Type 3R/4/12[1] Painted Metal	Type 4/4X 304 Stainless-steel
	Standard	Max	Standard	Max		3-pole, 3-phase	
30	5	20	7.5	30	5	1494GY-BF3N	1494GY-BC3N
60	15	50	15	60	10	1494GY-CF3N	1494GY-CC3N
100	25	60	30	75	20	1494GY-DF3N	–
200	50	125	60	150	40	1494GY-EF3N	–

(1) Type 12 hazardous location enclosure (Class II, Division 2, Group F+G and Class III, Divisions 1 and 2) can be supplied by replacing the **F** in the listed cat. no. with the letter **K**.
Example: **Cat. No. 1494G-BK3N**

Modifications

To configure your product, add the Suffix Code to your Catalog Number to include the modifications listed.

Bulletin 1494G/GX/GY Modifications

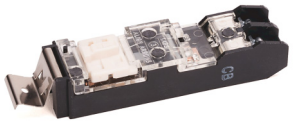
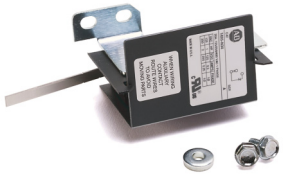
Description	Enclosure Type	Suffix Code	Switch Rating [A]					
			30	60	100	200	400	600
Momentary Push Button (1 N.O.) (located on enclosure flange)	3R/4/12 painted metal, 4/4X stainless-steel	-1S[1]	Available Option					
HAND-OFF-AUTO Selector Switch	3R/4/12 painted metal, 4/4X stainless-steel	-3[1]	Available Option					
3-position Selector Switch	3R/4/12 painted metal, 4/4X stainless-steel	-3S[1]	Available Option					
2-position Selector Switch	3R/4/12 painted metal, 4/4X stainless-steel	-3E[1]	Available Option					
2-position Illuminated Selector Switch	3R/4/12 painted metal, 4/4X stainless-steel	-3EI[1]	Available Option					
Pilot Light	3R/4/12 painted metal, 4/4X stainless-steel	-4[1][2]	Available Option					
Push-to-test Pilot Light	3R/4/12 painted metal, 4/4X stainless-steel	5[1][2]	Available Option					
Auxiliary Contact (1 N.O.)	3R/4/12 painted metal, 4/4X stainless-steel, 4/4X non-metallic	-98[3]	Available Option					
Auxiliary Contact (1 N.C.)	3R/4/12 painted metal, 4/4X stainless-steel, 4/4X non-metallic	-99[3]	Available Option					
Enclosure Door Viewing Window	3R/4/12 painted metal, 4/4X stainless-steel	-203W	Available Option					
Painted Metal Handle	3R/4/12 painted metal	-412[4]	Available Option				Standard	
Stainless-steel Handle	4/4X stainless-steel	-413[4]	Available Option					
Protective Fuse Cover with Door (transparent)	3R/4/12 painted metal, 4/4X stainless-steel	-414	Available Option					
Electrical Interlock - Early Break (1 N.O. and 1 N.C.)	3R/4/12 painted metal, 4/4X stainless-steel	-420	Available Option					
Electrical Interlock - Early Break (2 N.O. and 2 N.C.)	3R/4/12 painted metal, 4/4X stainless-steel	-421	Available Option					
Protective Line Side Cover (transparent)	3R/4/12 painted metal, 4/4X stainless-steel	-422	Available Option					

(1) 3 pole enclosed switches can accommodate (1) pilot device, 6 pole enclosed switches can accommodate (5) pilot devices.
(2) Specify lens color by adding one of the following letters: **R** = Red, **G** = Green, **A** = Amber, **B** = Blue
(3) Maximum of (2) auxiliary contacts.
(4) Non-metallic handle is standard (30...200 A). For painted metal handle, select suffix code **-412**. For stainless-steel handle, select suffix code **-413**.

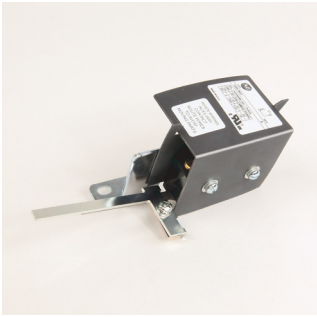
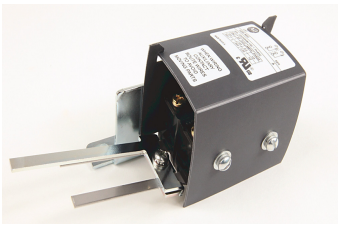
Accessories

Below is a Selection Guide for accessories that are available for Bulletin 1494G Disconnect Switches.

Auxiliary Contacts and Electrical Interlocks

	Description		For use with	Cat. No.
	Auxiliary Contacts	1 N.O. Contact	1494G Disconnect Switches (30...400 A)	1495-N8
	Auxiliary Contacts	1 N.O. Contact (low-level switching)	1494G Disconnect Switches (30...400 A)	1495-N8X
	Auxiliary Contacts	1 N.C. Contact	1494G Disconnect Switches (30...400 A)	1495-N9
	Auxiliary Contacts	1 N.C. Contact (low-level switching)	1494G Disconnect Switches (30...400 A)	1495-N9X
	Auxiliary Contacts (600 A Disconnect Switch only)	1 N.O Contact	1494G Disconnect Switches (600 A only)	595-A
	Auxiliary Contacts (600 A Disconnect Switch only)	1 N.C. Contact	1494G Disconnect Switches (600 A only)	595-B
	Auxiliary Contact Adapter Kit for Disconnect Switches	600 A	1494G Disconnect Switches (600 A only)	595-N1[1]
	Electrical Interlocks	1 N.O. and 1 N.C. — early make/break	1494G Disconnect Switches, 30...100 A; 600 A	1495-N34[2]
	Electrical Interlocks	2 N.O. and 2 N.C. — early make/break	1494G Disconnect Switches, 30...100 A; 600 A	1495-N35[2]

Auxiliary Contacts and Electrical Interlocks

	Description		For use with	Cat. No.
	Electrical Interlocks	1 N.O. and 1 N.C. — early make/break	1494G Disconnect Switches 200 A and 400 A	1495-N43
	Electrical Interlocks	2 N.O. and 2 N.C. — early make/break	1494G Disconnect Switches 200 A and 400 A	1495-N44
	Electrical Interlock Adapter Kit	600 A Disconnect Switch	1494G Disconnect Switch	1495-N36

(1) One adapter kit enables up to two auxiliary contacts to be installed.
(2) Additional adapter kit (**Cat. No. 1495-N36**) required for installation on 600 A switch.

Lug Connectors (3 per package)

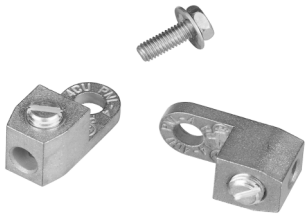
Provided as standard on all enclosed 1494G switches

	Disconnect Size [A]	Wire Size	For use with	Cat. No.
	30	#14...8 AWG Wire	1494G Disconnect Switches	(1)
	60	#14...4 AWG Wire	1494G Disconnect Switches	1494R-N1(2)
	100	#8...1/0 AWG Wire	1494G Disconnect Switches	1494R-N2(2)
	200	#6...4/0 AWG Wire	1494G Disconnect Switches	1494R-N3(2)
	200	#6...250 MCM Wire (oversized)	1494G Disconnect Switches	199-LF1(2)
	400	(2) of #1/0...250 MCM Wire	1494G Disconnect Switches	1494R-N14(2)
	400	#4 AWG...500 MCM Wire (oversized)	1494G Disconnect Switches	1494R-N15(2)
	600	(2) of #1/0...350 MCM Wire	1494G Disconnect Switches	1494R-N10(2)
	600	(2) of #1/0...350 MCM Wire	1491-N621 or 1491-R621 600 A fuse blocks	1494R-N11(3)
	600	(1) of #4...500 MCM Wire	1491-N621 or 1491-R621 600 A fuse blocks	1494R-N12(3)

(1) All terminals of the 30 A switches are furnished with self-lifting pressure plate connectors as standard.
(2) Each kit contains (3) lugs.
(3) Each kit contains (2) lugs.

Ground Connectors and Ground Lug Kits

Provided as standard on all enclosed 1494G switches

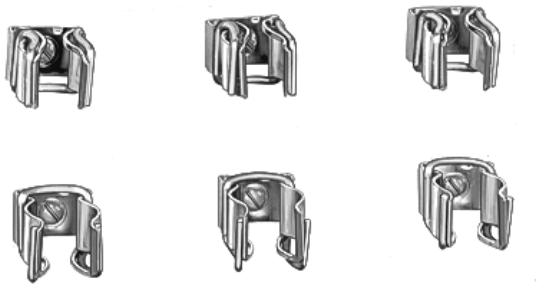
	Description	Disconnect Size [A]	For Use With	Cat. No.
	Ground Connectors	–	1494G Disconnect Switches	599-GR1
	Ground Lug Kits	30...100 A	1494G Disconnect Switches	
	Ground Lug Kits	200...400 A	1494G Disconnect Switches	599-GR2
	Ground Lug Kits	600 A	1494G Disconnect Switches	599-GR3

Phase Barrier Kits

Provided as standard on all 1494G enclosed switches

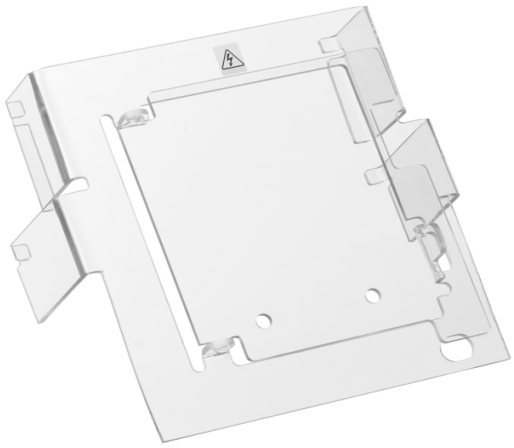
Disconnect Size [A]	For Use With	Cat. No.
30, 60	1494G Disconnect Switches	1494F-PH2
100	1494G Disconnect Switches	1494F-PH3
200	1494G Disconnect Switches	1494F-PH4
400	1494G Disconnect Switches	1494F-PH5

Fuse Clips (6 per package)

	Fuse Class	Fuse Clip Rating		For use with	Cat. No.
		250V	600V		
	H	30	–	1494G Disconnect Switches	1401-N41
	H	60	30	1494G Disconnect Switches	1401-N42
	H	–	60	1494G Disconnect Switches	1401-N43
	H	100	100	1494G Disconnect Switches	1401-N44
	H	200	200	1494G Disconnect Switches	1401-N45
	H	400	400	1494G Disconnect Switches	1401-N46
	J	30	30	1494G Disconnect Switches	1401-N42
	J	60	60	1494G Disconnect Switches	1401-N43
	J	100	100	1494G Disconnect Switches	1401-N44
	J	200	200	1494G Disconnect Switches	1401-N45
	J	400	400	1494G Disconnect Switches	1401-N46
	J	600	600	–	(1)
	R	30	–	1494G Disconnect Switches	1401-N50
	R	60	30	1494G Disconnect Switches	1401-N51
	R	–	60	1494G Disconnect Switches	1401-N52
	R	100	100	1494G Disconnect Switches	1401-N53
	R	200	200	1494G Disconnect Switches	1401-N54
	R	400	400	1494G Disconnect Switches	1401-N55
	H, R	600	600	1491 Fuse Blocks	(2)

(1) Included with Bulletin 1491 separate mounted fuse blocks. One fuse block kit per pole required.
(2) Fuse clips not required; fuse bolts directly to terminal.

Protective Fuse Covers

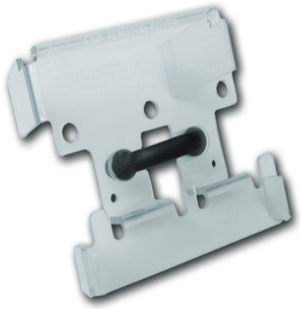


Switch Rating	Fuse Class	Fuse Clip Rating [A]		Cat. No.
		250V	600V	
30	Non-fusible	–	–	1495-N64
30	H,R	30	–	1495-N64
60	H,R	60	–	1495-N64
30	J	30	30	1495-N64
60	J	60	60	1495-N64
60	Non-fusible	–	–	1495-N64
100	Non-fusible	–	–	1495-N64
30	H,R	–	30	1495-N65
60	H,R	–	60	1495-N65
100	J	100	100	1495-N65
100	H,R	100	100	1495-N66
100	J	200	200	1495-N66
200	Non-fusible	–	–	1495-N67(1)
200	H, R, J	200	200	1495-N67(1)
200	J	400	400	1495-N67(1)
200	Non-fusible	–	–	1495-N62(2)
200	H, R, J	200	200	1495-N62(2)
400	Non-fusible	–	–	1495-N68(1)
400	H, R, J	400	400	1495-N68(1)
400	Non-fusible	–	–	1495-N63(2)
400	H, R, J	400	400	1495-N63(2)
600	Non-fusible	–	–	1495-N61(1)
600	J	600	600	1495-N61(1)
600	H, R, J	600	600	1495-N69(3)

(1) Switch with right-hand mechanism.
(2) Switch with left-hand mechanism.
(3) Used with Bulletin 1491-N621 and 1491-R621 on Bulletin 1494V/1494C/1494G

Protective Line Covers

Provided as standard on all 1494G enclosed switches



Switch Rating	Cat. No.
30, 60 100	1495-N80
200	1495-N81
400	1495-N82
600	1495-N83

Fuse Covers

The IP20 fuse cover protects against object larger than 0.47in (12mm), helping prevent contact with a finger or object with a maximum of 3.15 in (80mm) in length.

	Disconnect Switch Size [A]	Fuse Class	Fuse Clip Rating [A]		Use with Fuse Clips	Fuse Cover Cat. No.	IP20 and IP1XB Fuse Cover Cat. No.
			250V	600V			
	30, 60, 100	Non-fusible	–	–	–	1494U-PC1	1494U-PC2-IP20(1)
	30	H, J	30	–	1494U-FC302J	1494U-PC1	1494U-PC2-IP20(1)
	30	R	30	–	1494U-FC302R	1494U-PC1	1494U-PC2-IP20(1)
	30	H, J	–	30	1494U-FC30J	1494U-PC1	1494U-PC2-IP20(1)
	60	H, J	–	60	1494U-FC60J	1494U-PC1	1494U-PC2-IP20(1)
	100	H, J	–	100	1494U-FC100J	1494U-PC2	1494U-PC2-IP20(1)
	30	R	–	30	1494U-FC30R	1494U-PC2	1494U-PC2-IP20(1)
	60	R	–	60	1494U-FC60R	1494U-PC2	1494U-PC2-IP20(1)
	100	R	–	100	1494U-FC100R	1494U-PC2	1494U-PC2-IP20(1)
	200	H, J	200	200	1401-N45	1494U-PC200	1494U-PC200-IP20
	200	R	200	200	1401-N54	1494U-PC200	1494U-PC200-IP20

(1) For use with fused disconnects or non-fused is a larger enclosure

Terminal Lug Adapter Kit

	Switch Rating	Cat. No.
	200, 400	1494R-N19

Non-metallic Conduit Connectors

Provided as standard on all 1494G enclosed switches

	Size	Switch Rating [A]	Cat. No.
	1/2 in. (12.7 mm)	30	1490-N1
	3/4 in. (19 mm)	30	1490-N9
	1 in. (25.4 mm)	30	1490-N10
	1-1/4 in. (31.75 mm)	60	1490-N11
	1-1/2 in. (38.1 mm)	100	1490-N5
	2 in. (50.8 mm)	200	1490-N6
	2-1/2 in. (63.5 mm)	200	1490-N7
	3 in. (76.2 mm)	400...600	1490-N8

Grounding Adapters

Provided as standard on all 1494G enclosed switches

	Wire Size	Switch Rating [A]	Cat. No.
	#14...10 AWG, 1/2 in. (12.7 mm)	30	1490-N19
	#14...8 AWG, 3/4 in. (19 mm)	30	1490-N20
	#14...8 AWG, 1 in. (24.5 mm)	30	1490-N21
	#14...4 AWG, 1-1/4 in. (31.8 mm)	60	1490-N22
	#8...1/0 AWG, 1-1/2 in. (38.1 mm)	100	1490-N23
	#8...1/0 AWG, 2 in. (50.8 mm)	200	1490-N24
	#6...2/0 AWG, 2-1/2 in. (63.5 mm)	200	1490-N25
	#6...4/0 AWG, 3 in. (76.2 mm)	400...600	1490-N26

Specifications

1494G Disconnect Switches

Disconnect Switch Electrical Ratings								
Switch Size			30	60	100	200	400	600
Rated insulation voltage Ui (UL) IEC			(600) 660V					
Ratings UL/CSA/ NEMA	Hp	230V/60 Hz	7.5	15	30	60	125	200
		460V/60 Hz	15	30	60	125	250	400
		575V/60 Hz	20	50	75	150	350	500
		250V DC	5	10	20	40	50	50
	Continuous Current	600V AC	30	60	100	200	400	600
		250V AC						
Ratings IEC Applications	Maximum kW (AC23)	220V/50 Hz	5.5	11	22	48	90	150
		440V/50 Hz	11	22	45	90	185	295
		550V/50 Hz	15	37	55	110	257	375

Auxiliary Contact Electrical Ratings				
NEMA/EEMAC	B600, P300			
IEC Ratings	Ui 660V	I_{th} 10 A		
	ACII U_x	12...120V	I_e	6 A
		220...240V		3 A
		380...400V		1.5 A
		500...600V		1.2 A
Low-level switching	5 mA @ 12V DC			

Mechanical		
Degree of protection	Operating Handles	Non-metallic Type 1, 3R, 4, 4X, 12 Painted Type 1, 3R, 4, 12 Stainless-steel Type 4, 4X
Mechanical life (Typical)		20,000 operations (30...200 A) 10,000 operations (400...600 A)
Switching frequency (operations/hr)		30, 60, 100, and 200 A sizes — 300 max. 400 and 600 A sizes — 240 max

Environmental		
Temperature	Operating	-35...+40 °C(-31...+104 °F)
	Storage	-40...+65 °C(-40...+149 °F)
Altitude (per IEC 947-5)		2000 m (6561.7 ft) per IED 337-1
Relative Humidity (per IEC 947-3)		90% at 20 °C (68 °F) and 50% at 40 °C (104 °F)

Design Specification/Test Requirements	
Dialectic strength	2200V for 1 minute
Electrical life	6000 operations at rated current
Short Circuit Withstand Capability	10,000 A: unfused 10,000 A: with Class H fuses 200,000 A: with class J or Class R fuses

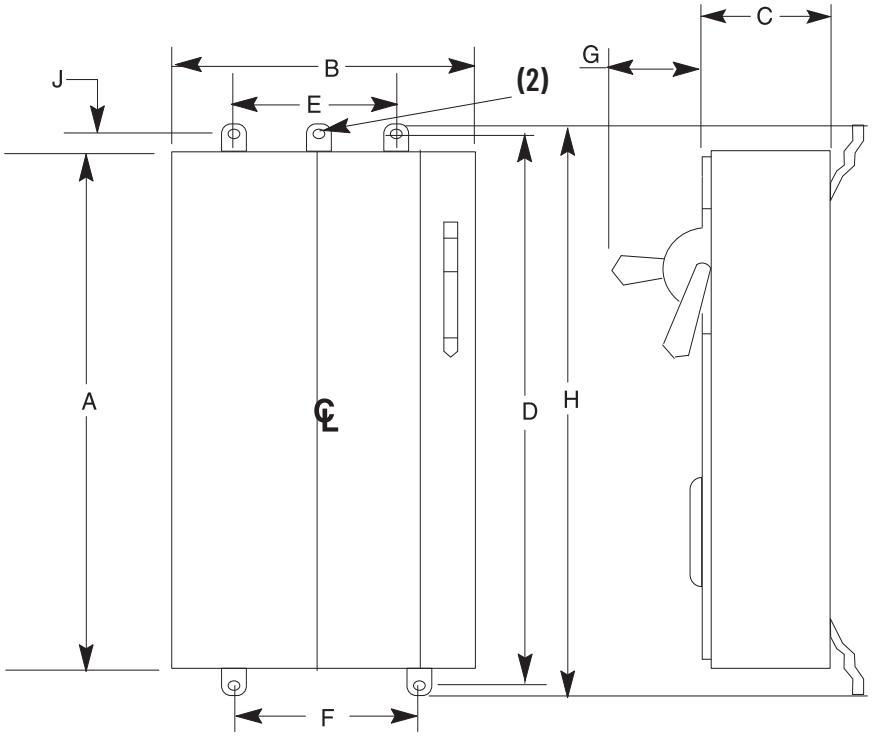
Construction		
Switch body material		Phenolic
Contact material		Copper, tin-plated
Terminals	30 A	#10 - 32 screw and self-lifting pressure plate
	60 A	1/4 in. - 28 screw-lug, copper
	100 A	5/16 in. - 24 screw-lug, copper
	200 A	3/8 in. - 24 screw-lug, copper
	400 A	3/8 in. - 24 screw-lug, copper
	600 A	1/2 in. - 13 screw-lug, copper
All wire rated 75 °C (167 °F) or higher must be sized per the local Electric Code for 75 °C (167 °F) wire.		

1494G Disconnect Switches (Continued)

Disconnect Switch Electrical Ratings			
Conductor Size (mm^2)	30 A	#14…8 AWG (1.5…10 mm2)	
	60 A	#14…4 AWG (2.5…16 mm2)	
	100 A	#8…1/0 AWG (10…50 mm2)	
	200 A	#6…4/0 AWG (16…95 mm2)	
	400 A	2 of #1/0 AWG…250 MCM (2 per lug) 2 of 185 mm2…250 MCM or (1) #4 AWG…500 MCM	
	600 A	2 of #1/0 AWG…350 MCM (2 per lug) 2 of 185 mm2…350 MCM or (1) #$ AWG…500 MCM	
		Conductor into Lug	**Lug to Terminal**
Recommended Torque	30 A	20 lb•in	20 lb•in
	60 A	45 lb•in	50 lb•in
	100 A	150 lb•in	90 lb•in
	200 A	275 lb•in	175 lb•in
	400 A	325 lb•in	175 lb•in
	600 A	325 lb•in	275 lb•in
Switches, Mechanisms, and Accessory Kits		Zinc-plated steel, RoHs compliant finish	

Approximate Dimensions

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.



Type 3R/4/12 (Enclosure Code "F" Painted Metal Enclosures

Size [A]	Fuse Style(1)	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J	
30	A	2 or 3	1494G	13-5/16 (338)	10-1/2 (267)	8-1/4 (210)	14-11/16 (373)	(2)	5-1/4 (133)	5-9/16 (141)	15-21/32 (398)	11/32 (9)	20 (9.07)
60	A	2 or 3	1494G	13-5/16 (338)	10-1/2 (267)	8-1/4 (210)	14-11/16 (373)	(2)	5-1/4 (133)	5-9/16 (141)	15-21/32 (398)	11/32 (9)	20 (9.07)
30	B	2 or 3	1494G	20 (509)	10-1/2 (267)	10-3/16 (259)	21-7/16 (545)	(2)	5-1/4 (133)	5-9/16 (141)	22-13/32 (569)	11/32 (9)	30 (13.6)
60	B	2 or 3	1494G	20 (509)	10-1/2 (267)	10-3/16 (259)	21-7/16 (545)	(2)	5-1/4 (133)	5-9/16 (141)	22-13/32 (569)	11/32 (9)	30 (13.6)
100	A	2 or 3	1494G	20 (509)	10-1/2 (267)	10-3/16 (259)	21-7/16 (545)	(2)	5-1/4 (133)	5-9/16 (141)	22-13/32 (569)	13/16 (21)	60 (27.21)
30	C	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
30	D	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
60	C	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
60	D	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
30	A	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
30	B	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
60	A	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
60	B	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	(2)	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
30	A	2 or 3	1494GX	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.28)

(Continued)Type 3R/4/12 (Enclosure Code "F" Painted Metal Enclosures

Size [A]	Fuse Style(1)	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J	
30	B	2 or 3	1494GX	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.28)
60	A	2 or 3	1494GX	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.28)
60	B	2 or 3	1494GX	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.28)
100	D	6	1494G	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.28)
100	A	2 or 3	1494GY	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.28)
100	B	2 or 3	1494GY	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.28)

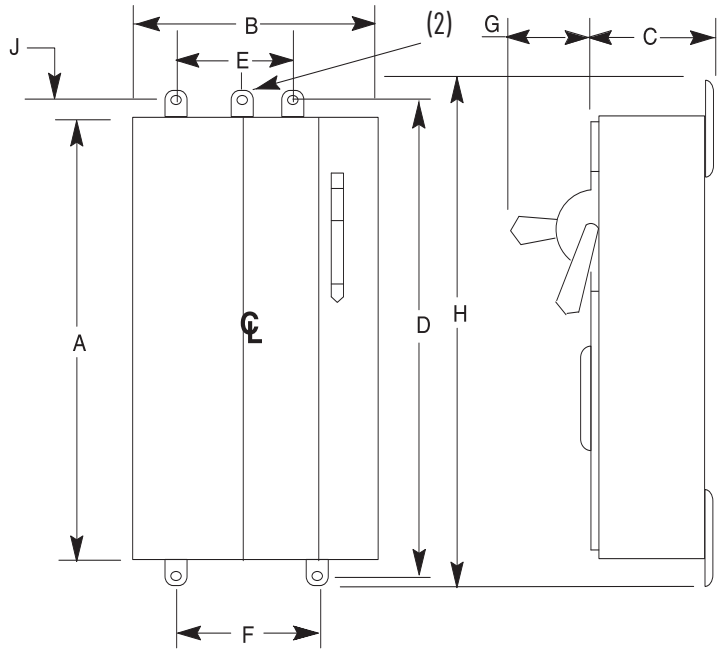
(1) A = Non-fusible, Fusible 250V — Class H/R, Fusible 600V — Class J
B = Fusible 600V — Class H/R
C = Non-fusible
D = Fusible 250V — Class H/R, Fusible 600V — Class J

(2) These enclosures have one top mounting hole that is located on the center line. All other enclosures have two top mounting holes that are located as shown.

Type 3R/4/12 (Enclosure Code "F" Painted Metal Enclosures (continued)

Size [A]	Fuse Style(1)	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J	
100	B	2 or 3	1494G	31-1/2 (800)	10-1/2 (267)	10-3/32 (257)	32-7/8 (835)	(2)	5-1/4 (133)	5-9/16 (141)	33-27/32 (860)	11/32 (9)	70 (31.73)
100	C	6	1494G	31-1/2 (800)	10-1/2 (267)	10-3/32 (257)	32-7/8 (835)		5-1/4 (133)	5-9/16 (141)	33-27/32 (860)	11/32 (9)	70 (31.73)
200	A	2 or 3	1494G	31-1/2 (800)	10-1/2 (267)	10-3/32 (257)	32-7/8 (835)		5-1/4 (133)	5-9/16 (141)	33-27/32 (860)	11/32 (9)	70 (31.73)
200	B	2 or 3	1494G	31-1/2 (800)	10-1/2 (267)	10-3/32 (257)	32-7/8 (835)		5-1/4 (133)	5-9/16 (141)	33-27/32 (860)	11/32 (9)	70 (31.73)
100	A	2 or 3	1494GX	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
100	B	2 or 3	1494GX	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
200	C	6	1494G	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
200	D	6	1494G	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
200	A	2 or 3	1494GY	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
200	B	2 or 3	1494GY	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
400	A	2 or 3	1494G	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	7-5/8 (194)	52-11/32 (1330)	11/32 (9)	200 (90.7)
600	A	2 or 3	1494G	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	7-5/8 (194)	52-11/32 (1330)	11/32 (9)	200 (90.7)
400	B	2 or 3	1494G	56 (1422)	30-1/2 (775)	13-51/64 (350)	57-5/8 (1464)	20 (508)	25-1/4 (641)	7-5/8 (194)	62-5/8 (1590)	1 (25.4)	300 (136.05)
600	B	2 or 3	1494G	56 (1422)	30-1/2 (775)	13-51/64 (350)	57-5/8 (1464)	20 (508)	25-1/4 (641)	7-5/8 (194)	62-5/8 (1590)	1 (25.4)	1 (25.4)

(1) A = Non-fusible, Fusible 250V — Class H/R, Fusible 600V — Class J
B = Fusible 600V — Class H/R
C = Non-fusible
D = Fusible 250V — Class H/R, Fusible 600V — Class J



Type 4/4X (Enclosure Code "C") Stainless-steel Enclosures

Size [A]	Fuse Style[1]	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J	
30	A	2 or 3	1494G	13-5/16 (338)	10-1/2 (267)	8-9/16 (217)	14-11/16 (373)	(2)	5-1/4 (133)	5-9/16 (141)	15-21/32 (398)	13/16 (21)	20 (9.07)
60	A	2 or 3	1494G	13-5/16 (338)	10-1/2 (267)	8-9/16 (217)	14-11/16 (373)		5-1/4 (133)	5-9/16 (141)	15-21/32 (398)	13/16 (21)	20 (9.07)
30	B	2 or 3	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
30	C	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
30	D	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
60	B	2 or 3	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
60	C	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
60	D	6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
30	A	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
30	B	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
60	A	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
60	B	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)		7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
30	A	2 or 3	1494GX	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
30	B	2 or 3	1494GX	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
60	A	2 or 3	1494GX	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
60	B	2 or 3	1494GX	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
100	A	2 or 3	1494G	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)

(Continued)Type 4/4X (Enclosure Code "C") Stainless-steel Enclosures

Size [A]	Fuse Style(1)	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J	
100	B	2 or 3	1494G	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
100	C	6	1494G	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
100	D	6	1494G	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
100	A	2 or 3	1494GX	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
100	B	2 or 3	1494GX	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
200	A	2 or 3	1494G	50 (1270)	22 (559)	11-3/16 (284)	51-3/8 (1305)	18-1/2 (470)	18-1/2 (470)	5-9/16 (141)	52-1/4 (1327)	13/16 (21)	200 (90.7)
200	B	2 or 3	1494G	50 (1270)	22 (559)	11-3/16 (284)	51-3/8 (1305)	18-1/2 (470)	18-1/2 (470)	5-9/16 (141)	52-1/4 (1327)	13/16 (21)	200 (90.7)
200	C	6	1494G	50 (1270)	22 (559)	11-3/16 (284)	51-3/8 (1305)	18-1/2 (470)	18-1/2 (470)	5-9/16 (141)	52-1/4 (1327)	13/16 (21)	200 (90.7)
200	D	6	1494G	50 (1270)	22 (559)	11-3/16 (284)	51-3/8 (1305)	18-1/2 (470)	18-1/2 (470)	5-9/16 (141)	52-1/4 (1327)	13/16 (21)	200 (90.7)
400	A	2 or 3	1494G	56 (1422)	30-1/2 (775)	13-51/64 (350)	57-5/8 (1464)	20 (508)	25-1/4 (641)	7-5/8 (194)	58-5/8 (1489)	1 (25.4)	300 (136.05)
400	B	2 or 3	1494G	56 (1422)	30-1/2 (775)	13-51/64 (350)	57-5/8 (1464)	20 (508)	25-1/4 (641)	7-5/8 (194)	58-5/8 (1489)	1 (25.4)	300 (136.05)
600	A	2 or 3	1494G	56 (1422)	30-1/2 (775)	13-51/64 (350)	57-5/8 (1464)	20 (508)	25-1/4 (641)	7-5/8 (194)	58-5/8 (1489)	1 (25.4)	300 (136.05)
600	B	2 or 3	1494G	56 (1422)	30-1/2 (775)	13-51/64 (350)	57-5/8 (1464)	20 (508)	25-1/4 (641)	7-5/8 (194)	58-5/8 (1489)	1 (25.4)	300 (136.05)

(1) A = Non-fusible, Fusible 250V — Class H/R, Fusible 600V — Class J
B = Fusible 600V — Class H/R
C = Non-fusible
D = Fusible 250V — Class H/R, Fusible 600V — Class J

(2) These enclosures have one top mounting hole that is located on the center line. All other enclosures have two top mounting holes that are located as shown.

Overview

Bulletin 1494G Hazardous Location Safety Disconnect Switches can be used for 30 A, 60 A and 100 A applications. They are available in 3R, 7 and 9 bolted enclosure types for indoor and outdoor use. These switches are certified for use in Class I, Division 1 & 2, Groups C & D and Class II, Groups E, F & G hazardous gas or dust locations.

Other Key Features:

- Hinged cover for easy access
- Auxiliary contact that is provided as standard
- Viewing window that is provided as standard for easy viewing of switch blades
- Provisions for a mechanical key interlock switch
- Non-fusible version only

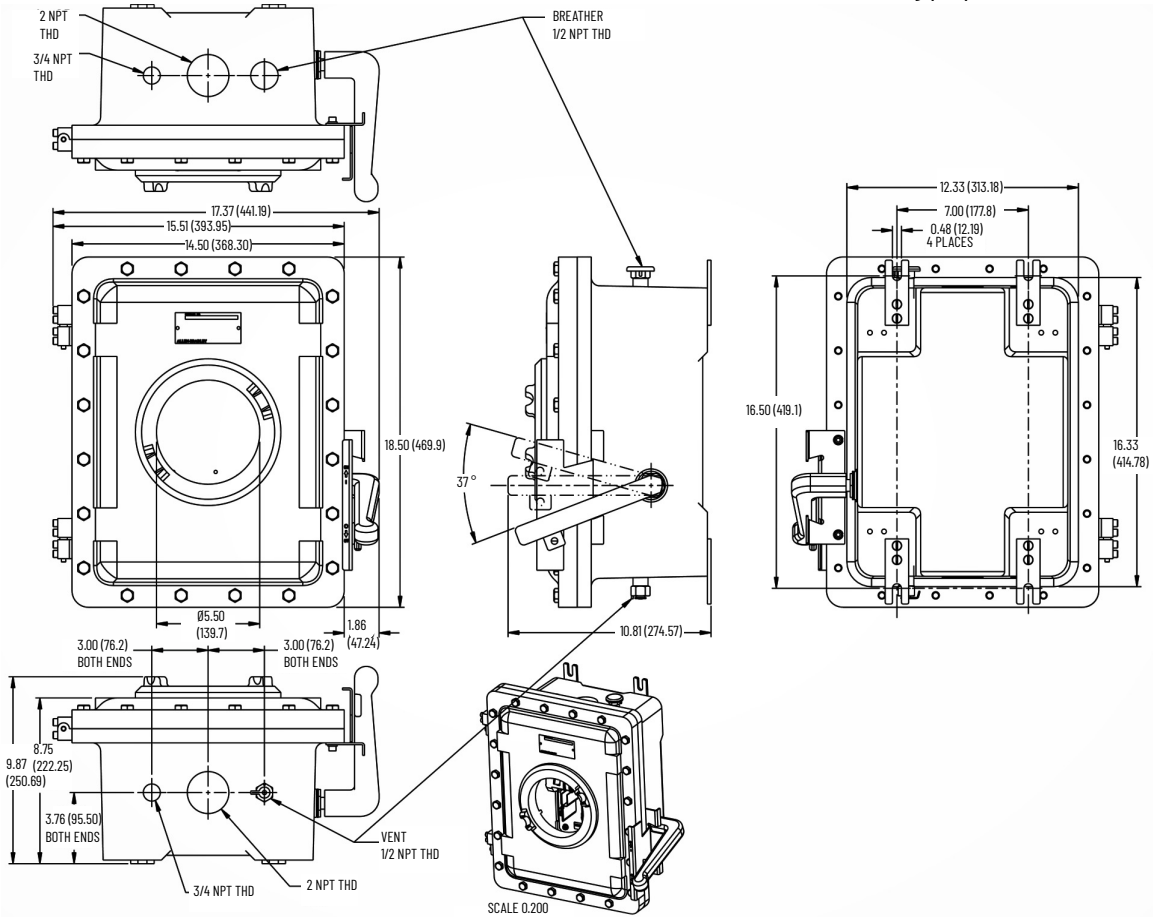
Safety Switch for Hazardous Locations

	Size [A]	Horsepower					Cat. No.
		480V AC		600V AC		250V AC	Type 3R, 7 & 9 Bolted Enclosure Class I, Div. 1 &2, Groups C&D Class II, Groups E, F, G
		Standard	Max	Standard	Max		
	30	5	15	7.5	20	5	1494G-DH3N-203W
	60	15	30	15	50	10	1494G-DH3N-203W
	100	20	60	30	75	20	1494G-DH3N-203W

Approximate Dimensions

Safety Disconnect Switch for Hazardous Locations

Dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.



Overview

The Allen-Bradley® 1494H Heavy-Duty Safety Switches are designed for industrial and heavy commercial applications and are available with switch ratings 30...200 A, and in Type 1, 3R, or 12 enclosures. The switch features a visible-blade construction with a side-mounted, lockable metal handle with three padlocks in the OFF position. It is available in 240V and 600V, 1-phase and 3-phase, fusible and non-fusible configurations. The enclosure can accommodate Class H, J, and R fuses.

Product Selection

Non-fusible Disconnect Switch (600V AC)

Continuous Current Rating [A]	UL and CSA Application Max Horsepower						Cat. No.		
	1-phase (60 Hz)	3-phase (60 Hz)			1-phase (60 Hz)	3-phase (60 Hz)			
	240V AC		480V AC	600V AC	125V DC	250V DC	Type 1	Type 3R	Type 12
30	3	10	20	30	3	5	1494H-BA3N	1494H-BN3N	1494H-BF3N
60	10	20	50	60	5	10	1494H-CA3N	1494H-CN3N	1494H-CF3N
100	20	40	75	100	–	20	1494H-DA3N	1494H-DN3N	1494H-DF3N
200	30	60	125	150	–	40	1494H-EA3N	1494H-EN3N	1494H-EF3N

Fusible Disconnect Switch (600V AC)

Continuous Current Rating [A]	UL and CSA Application Max Horsepower												Cat. No.		
	1-phase (60 Hz)		3-phase (60 Hz)						1-phase (60 Hz)		250V DC				
	240V AC				480V AC		600V AC		125V DC						
	Standard	Max	Standard	Max	Standard	Max	Standard	Max	Standard	Max	Standard	Max	Type 1	Type 3R	Type 12
30	1.5	3	3	7.5	5	15	7.5	20	2	3	5	–	1494H-BA3H6	1494H-BN3H6	1494H-BF3H6
60	3	10	7.5	15	15	30	15	50	5	–	10	–	1494H-CA3H6	1494H-CN3H6	1494H-CF3H6
100	7.5	15	15	30	25	60	30	75	–	–	20	–	1494H-DA3H6	1494H-DN3H6	1494H-DF3H6
200	15	–	25	60	50	125	60	150	–	–	40	–	1494H-EA3H6	1494H-EN3H6	1494H-EF3H6

Fusible Disconnect Switch (240V AC)[1]

Continuous Current Rating [A]	UL and CSA Application Max Horsepower										Cat. No.		
	1-phase (60 Hz)		3-phase (60 Hz)				1-phase (60 Hz)						
	240V AC				480V AC	600V AC	125V DC		250V DC				
	Standard	Max	Standard	Max			Standard	Max	Standard	Max	Type 1	Type 3R	Type 12
30	1.5	3	3	7.5	–	–	2	3	5	–	1494H-BA3H2	1494H-BN3H62	1494H-BF3H62
60	3	10	7.5	15	–	–	5	–	10	–	1494H-CA3H2	1494H-CN3H62	1494H-CF3H62
100	7.5	15	15	30	–	–	–	–	20	–	–	1494H-DN3H62	1494H-DF3H62
200	15	–	25	60	–	–	–	–	40	–	1494H-EA3H2	1494H-EN3H62	1494H-EF3H62

(1) Includes a neutral lug for four wire applications.

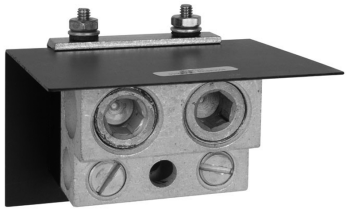
Accessories

Optional accessories are available for all universal disconnect sizes.

Ground Lugs

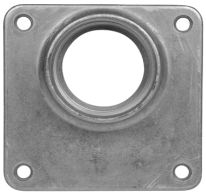
Description	Cat. No.
For 30, 60 A switch	599-GR4
For 100, 200 A switch	599-GR5

Neutral Kits



Description	Cat. No.
30 A @ 250/600V AC Fusible (Type 1 & 3R)	599-NK1
30 A @ 250/600V AC Non-Fusible (Type 1 & 3R)	599-NK2
30 A @ 250/600V AC Fusible and Non-Fusible (Type 12)	599-NK3
60 A @ 250/600V AC Fusible and Non-Fusible (Type 1 & 3R)	599-NK4
60 A @ 250/600V AC Fusible (Type 12)	599-NK5
60 A @ 250/600V AC Non-Fusible (Type 12)	599-NK6
100 A @ 250/600V AC Fusible (Type 1 & 3R)	599-NK7
100 A @ 250/600V AC Non-Fusible (Type 1, 3R, and 12)	599-NK8
100 A @ 250/600V AC Fusible (Type 12)	599-NK9
200 A @ 250/600V AC Fusible and Non-Fusible (Type 1 & 3R)	599-NK10
200 A @ 250/600V AC Fusible and Non-Fusible (Type 12)	599-NK11

Conduit Hubs Type 3R (Package Qty. 10)



Description	Cat. No.
19.05 mm (3/4 in.) hub	1495-N71
25.4 mm (1 in.) hub	1495-N72
31.75 mm (1-1/4 in.) hub	1495-N73
38.1 mm (1-1/2 in.) hub	1495-N74
50.8 mm (2 in.) hub	1495-N75
63.5 mm (2-1/2 in.) hub	1495-N76

Electrical Interlock

Description	Cat. No.
10 A DPDT – early break (for 30 A, Type 1 & 3R only)	1495-N77
15 A DPDT – early break (for 30 A, Type 12) 15 A DPDT – early break (for all 60 A, 100 A, & 200 A, Type 1, 3R, and 12)	1495-N78

Heavy-Duty Class R Fuse Clip Kits (one kit required per switch)

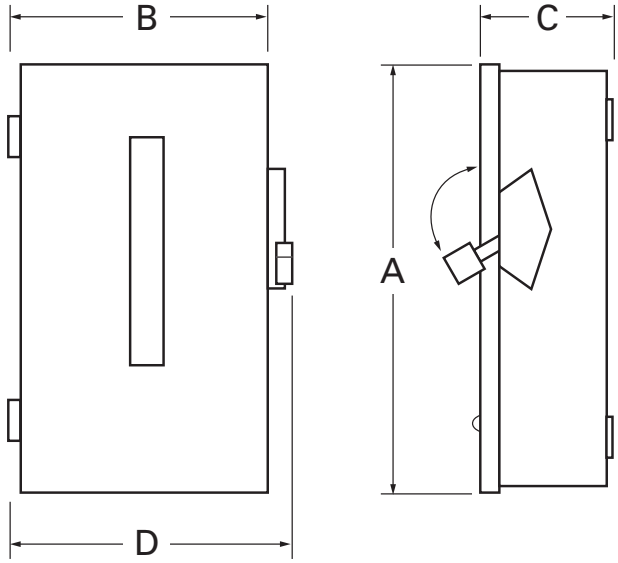
Description	Cat. No.
30 A @ 250V AC (Type 1, 3R, and 12)	1401-N70
30 A @ 600V AC (Type 1 & 3R)	1401-N71
30 A @ 600V AC (Type 12)	1401-N72
30 A @ 600V AC (Type 12)	1401-N73
60 A @ 600V AC (Type 1, 3R, and 12)	1401-N74
100 A @ 250/600V AC (Type 12)	1401-N76
100 A @ 250/600V AC (Type 1 & 3R) 200 A @ 250/600V AC (Type 1, 3R, and 12)	1401-N77

Specifications

Disconnect Switch Electrical Ratings						
Switch Size			30 A	60 A	100 A	200 A
Rated insulation voltage Ui (UL) IEC			(600) 660V			
Ratings UL/CSA/NEMA	Horsepower	230V/60 Hz	10	20	40	60
		460V/60 Hz	20	50	75	125
		575V/60 Hz	30	60	100	150
		250V DC	5	10	20	40
	Continuous Current	600V AC	30	60	100	200
		250V DC				
Auxiliary Contact Electrical Ratings						
Continuous Current			10 A	15 A		
Pole Configuration			DPDT			
Mechanical						
Degree of protection		Operating handles	Painted Type 1, 3R, 12			
Mechanical life (Typical)			10,000 operations			
Switching frequency (operations/hr)			300 max			
Environmental						
Temperature		Operating	-35...+40 °C (-31...+104 °F)			
		Storage	-40...+65 °C (-40...+149 °F)			
Altitude (per IEC 947-5)			2000 m (6561.68 ft) per IEC 337-1			
Relative Humidity (per IEC 947-3)			90% at 20 °C (68 °F) and 50% at 40 °C (104 °F)			
Design Specification/Test Requirements						
Dielectric strength			2200 for 1 minute			
Electrical life			6000 operations at rated current			
Short Circuit Withstand Capability			10,000 A: unfused			
			10,000 A: with Class H fuses			
			200,000 A: with Class J or Class R fuses (30...100 A)			
			100,000 A: with Class J or Class R fuses (200 A)			
Construction						
Switch body material			Plastic			
Contact material			Copper, tin-plated			
Terminals		30 A	#10 - 32 screw and self-lifting pressure plate			
		60 A	1/4 in. - 28 screw-lug, copper			
		100 A	5/16 in. - 24 screw-lug, copper			
		200 A	3/8 in. - 24 screw-lug, copper			
All wire rated 75 °C (167 °F) or higher must be sized per the local Electric Code for 75 °C (167 °F) wire.						
Conductor size (mm^2)		30 A	#14...8 AWG			
		60 A	#12...2 AWG			
		100 A	10... 1/0 AWG			
		200 A	#3...250 MCM AWG			
Recommended torque			**Conductor into Lug**			
		30 A	36...40 lb•in			
		60 A	35...45 lb•in			
		100 A	35...50 lb•in			
		200 A	275 lb•in			
Mechanisms			Zinc-plated steel, bronze chromate finish			

Approximate Dimensions

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.



Type 1 (Enclosure Code "A") General-purpose Painted Metal Enclosures

Switch Size [A]	Fuse Style	Height (A)	Width (B)	Depth (C)	Width with Handle (D)	Knockout Figure Number
30	240V	10-9/32 (261.1)	6-3/8 (162.1)	3-5/16 (84.1)	7-1/8 (181)	1
30	600V	12-19/32 (319.8)	8-3/8 (212.9)	4 (101.6)	9-1/2 (241.3)	2
30	Non-fusible	10-3/8 (263.7)	8-3/8 (212.9)	4 (101.6)	9-1/4 (235)	3
60	240V	17-19/32 (446.8)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	4
60	600V	21-11/32 (542)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	5
60	Non-fusible	17-19/32 (446.8)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	4
100	240V	21-11/32 (542)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	5
100	600V	22-11/32 (567.4)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	4
100	Non-fusible	17-19/32 (446.8)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	4
200	240V	31-5/8 (803.3)	13-7/16 (341.4)	5-1/4 (133.4)	14-7/16 (366)	6
200	600V	31-5/8 (803.3)	13-7/16 (341.4)	5-1/4 (133.4)	14-7/16 (366)	6
200	Non-fusible	31-5/8 (803.3)	13-7/16 (341.4)	5-1/4 (133.4)	14-7/16 (366)	6

Knockouts

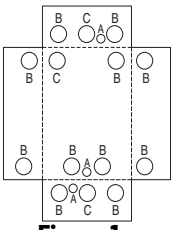


Figure 1

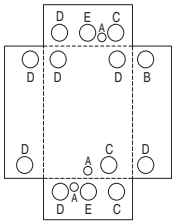


Figure 2

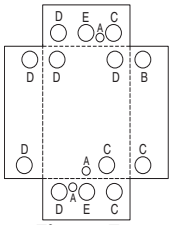


Figure 3

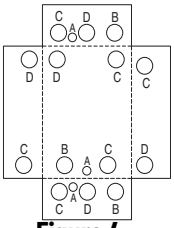


Figure 4

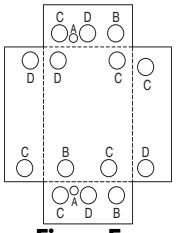


Figure 5

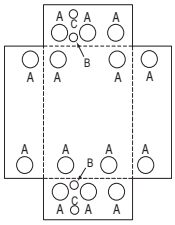
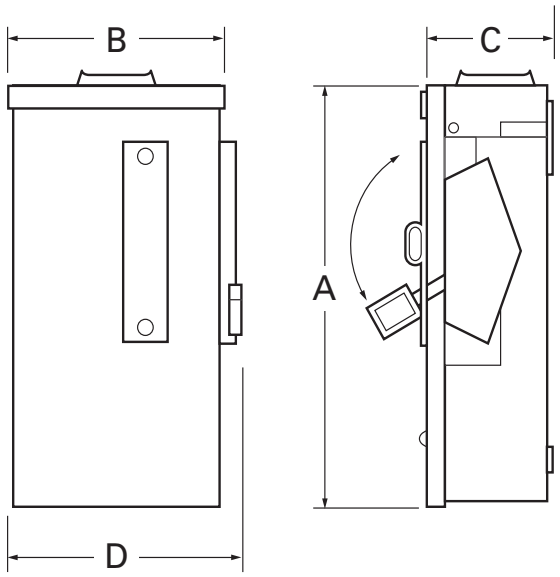


Figure 6

Conduit Size for Type 1 Enclosures

Switch Size [A]	Fuse Style	Knockouts — Dimensions in in. (mm)				
		A	B	C	D	E
30	240V	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	3/8 x 1/2 x 3/4 x 1 (9.5 x 12.7 x 19.1 x 25.4)	–	
30	600V	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)
30	Non-fusible	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)
60	240V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	–
60	600V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	–
60	Non-fusible	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	–
100	240V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	–
100	600V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	–
100	Non-fusible	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	–
200	240V	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	–	–
200	600V	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	–	–
200	Non-fusible	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	–	–



Type 3R (Enclosure Code "N") Rain-Proof Painted Metal Enclosures

Switch Size [A]	Fuse Style	A Height in. (mm)	B Width in. (mm)	C Depth in. (mm)	D Width (with Handle) in. (mm)	Knockout Figure Number
30	240V	10-5/8 (269.9)	6-3/8 (162.1)	3-5/16 (84.1)	7-1/8 (181)	7
30	600V	13-13/64 (335.3)	8-3/8 (212.9)	4 (101.6)	9-13/32 (239)	8
30	Non-fusible	13-13/64 (335.3)	8-3/8 (212.9)	4 (101.6)	9-13/32 (239)	8
60	240V	17-7/16 (443)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	9
60	600V	22-3/16 (563.6)	9-3/8 (238.3)	5 (127)	10-1/2 (267)	9
60	Non-fusible	17-7/16 (443)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	9
100	240V	22-3/16 (563.6)	9-3/8 (238.3)	5 (127)	10-1/2 (267)	9
100	600V	22-3/16 (563.6)	9-3/8 (238.3)	5 (127)	10-1/2 (267)	9
100	Non-fusible	17-7/16 (443)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	9
200	240V	31-7/16 (798.6)	13-3/8 (339.9)	5-15/32 (138.9)	14-1/8 (361.9)	10
200	600V	31-7/16 (798.6)	13-3/8 (339.9)	5-15/32 (138.9)	14-1/8 (361.9)	10
200	Non-fusible	31-7/16 (798.6)	13-3/8 (339.9)	5-15/32 (138.9)	14-1/8 (361.9)	10

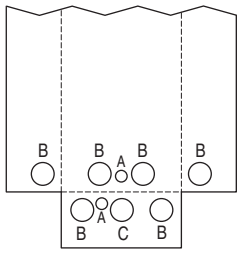


Figure 7

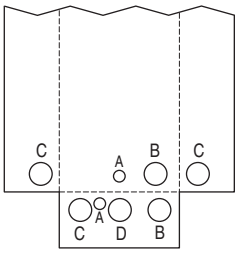


Figure 8

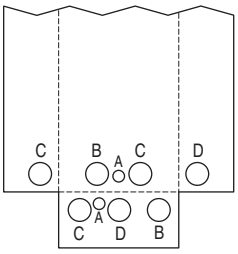


Figure 9

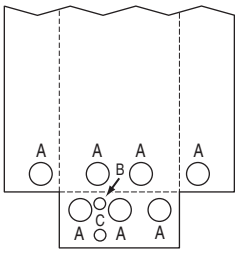


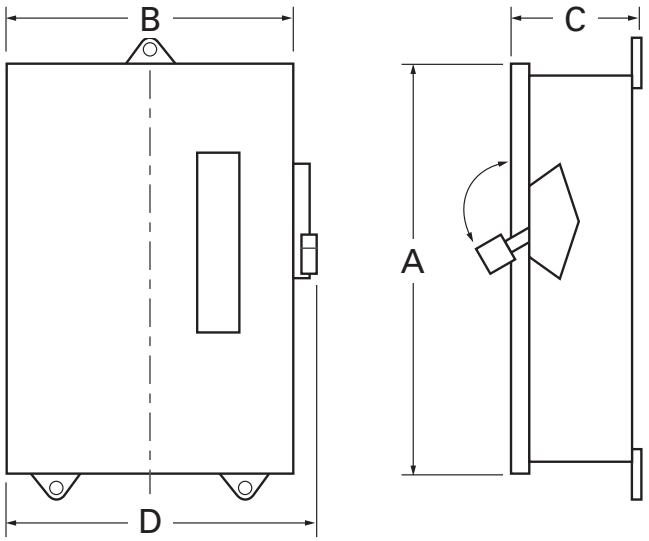
Figure 10

Knockouts – Conduit Size

Switch Size [A]	Fuse Style	Knockout Dimensions in. (mm)			
		A	B	C	D
30	240V	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	3/8 x 1/2 x 3/4 x 1 (9.5 x 12.7 x 19.1 x 25.4)	–
30	240V	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	3/8 x 1/2 x 3/4 x 1 (9.5 x 12.7 x 19.1 x 25.4)	–
30	600	9/32 (7.1)	1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)
30	Non-fusible	9/32 (7.1)	1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)

Knockouts – Conduit Size (Continued)

Switch Size [A]	Fuse Style	Knockout Dimensions in. (mm)			
		A	B	C	D
60	240V	9/32 (7.1)	1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
60	600V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
60	Non-fusible	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
100	240V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
100	600V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
100	Non-fusible	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
200	240V	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	–
200	600V	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	–
200	Non-fusible	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	–



Type 12 (Enclosure Code "F") Dust-Tight Painted Metal Enclosures

Switch Size [A]	Fuse Style	A Height in. (mm)	B Width in. (mm)	C Depth in. (mm)	D Width (with Handle) in. (mm)
30	240V	11-3/8 (288.9)	7-3/8 (187.3)	5-1/16 (128.6)	8-1/8 (206.4)
30	600V	13-3/8 (339.7)	9-3/8 (238.1)	5-5/16 (134.9)	10-1/4 (260.4)
30	Non-fusible	13-3/8 (339.7)	9-3/8 (238.1)	5-1/16 (128.6)	10-1/4 (260.4)
60	240V	19-3/8 (492.1)	9-3/8 (238.1)	5-1/16 (128.6)	10-1/4 (260.4)
60	600V	19-3/8 (492.1)	9-3/8 (238.1)	5-5/16 (134.9)	10-1/4 (260.4)
60	Non-fusible	19-3/8 (492.1)	9-3/8 (238.1)	5-1/16 (128.6)	10-1/4 (260.4)
100	240V	25-3/8 (644.5)	13-1/2 (342.9)	5-1/16 (128.6)	14-1/4 (362)
100	600V	25-3/8 (644.5)	13-1/2 (342.9)	5-5/16 (134.9)	14-1/4 (362)
100	Non-fusible	25-3/8 (644.5)	13-1/2 (342.9)	5-5/16 (134.9)	14-1/4 (362)
200	240V	35-1/8 (892.2)	13-1/2 (342.9)	5-5/16 (134.9)	15-1/4 (387.4)
200	600V	35-1/8 (892.2)	14-1/2 (368.3)	5-5/16 (134.9)	15-1/4 (387.4)
200	Non-fusible	35-1/8 (892.2)	14-1/2 (368.3)	5-5/16 (134.9)	15-1/4 (387.4)

Overview

Bulletin 1491 Control Circuit Fuse Blocks are designed for protection of transformers and control circuits capable of delivering a maximum of 600 V and no more than 200,000 RMS symmetrical amps.

Product Selection

Circuit Control Power Fuse Blocks

	Fuse Size [A]	No. Poles	Fuse Class	Cat. No.
	0...5	1	CC	599-FR04[1]
	0.5...30	1	10x38mm	1491-R165[2]
	0.5...30	2	CC	1491-R162[2]
	0.5...30	2	10x38mm	1491-R167[2]
	0.5...30	1	10x38mm	1491-R169[2]
	0.5...30	2	CC	1491-R169[2]

(Continued)Circuit Control Power Fuse Blocks

	Fuse Size [A]	No. Poles	Fuse Class	Cat. No.
	0.5...30	3	CC	1491-R171[2]
—	31...60	1	J	1491-R173
—	61...100	1	J	1491-R175

(1) Rated for a 6 A fuse maximum. Controller mounting applies to devices 0...5 A only.
(2) These kits use only Class CC or Midget fuses (rated 0.5...30 A) such as those offered by Bussmann KTK-R, Ferraz-Shawmut ATM R, or Littelfuse KLK.

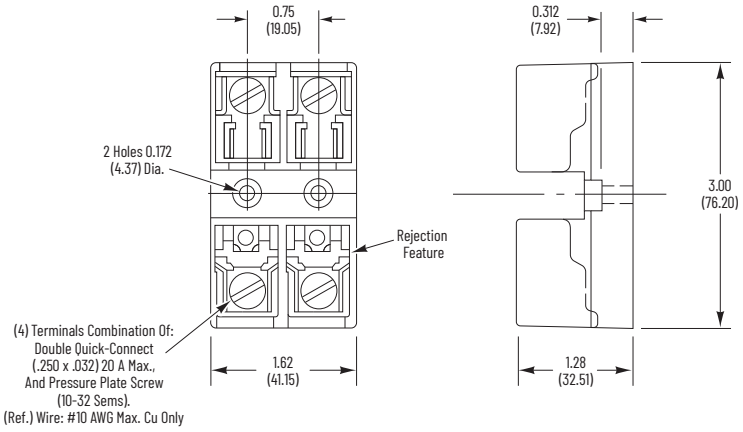
Fuse Cover

	Cat. No.
	1491-R150

Approximate Dimensions

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

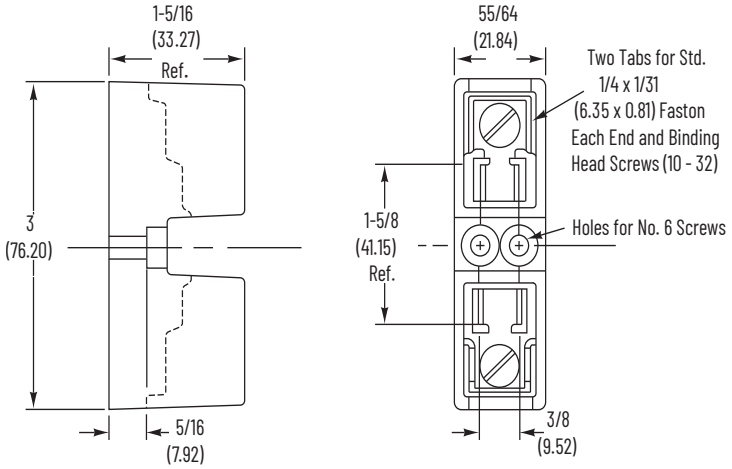
Fuse Block, 0.5...30 A, Class CC or 10x38mm Fuse, 600V, 2 Pole



Cat. No. 1491-R162

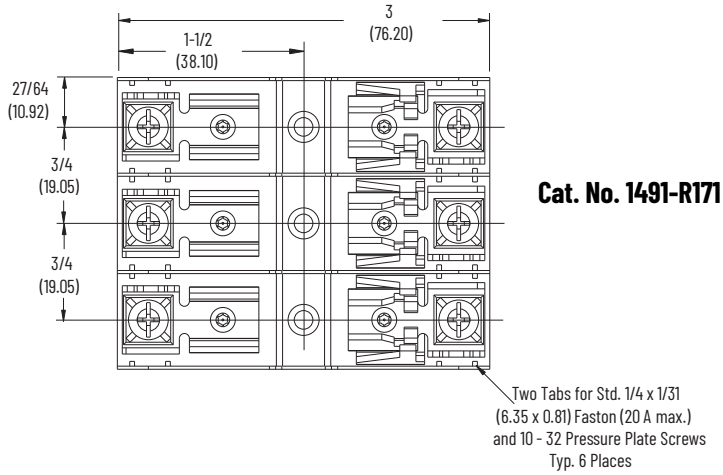
Cat. No. 1491-R167

Control Circuit Fuse Block, 0...30 A, Class CC or 10x38mm Fuse, 600 V, 1 Pole



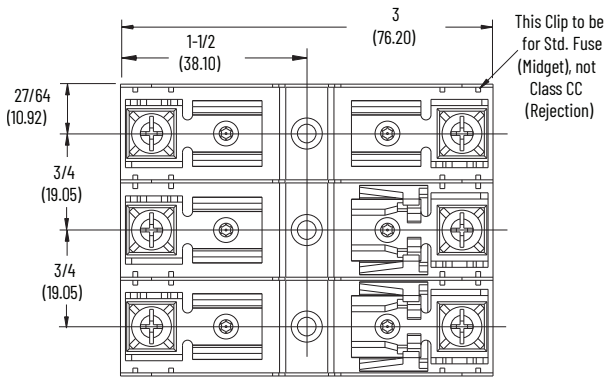
Cat. No. 1491-R165

Control Circuit Fuse Block, 0...30 A, Class CC or 10x38mm Fuse, 600 V, 3Pole



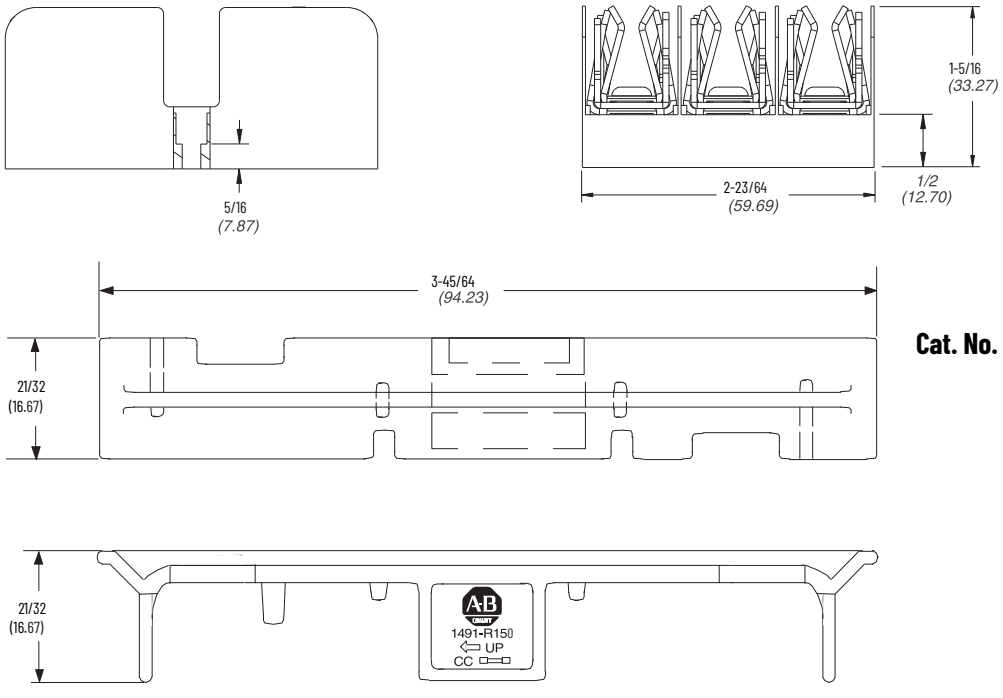
Cat. No. 1491-R171

Control Circuit Fuse Block, 0...30 A, Class R Fuse, 600 V, 3 Pole



Cat. No. 1491-R169

Fuse Cover without Fuse, For Separate Mount Control Circuit Holders



Cat. No. 1491-R150

Overview

Bulletin 1491 Power Fuse Blocks are designed for general-purpose applications. The bases of the fuse blocks (either phenolic or porcelain in construction) are rugged and provide ease in mounting and wiring. Fuse blocks are available with ratings from 30…600 A and can be used with Class H, J, and R fuses

Spring-Type Fuse Clips			Wedge-Type Fuse Clamps
Self-Lifting Wiring Terminal Clamps	Tang-Type Connections	Self-Lifting Wiring Terminal Clamps	Tang-Type Connections on Wiring Terminals
–	–	Class R Rejection Feature	–
–	–	–	–

Product Selection

Power Fuse Blocks

Fuse Size [A]	Maximum Voltage [V]	No. of Poles	Class H Cat. No.	Class J Cat. No.	Class R. Cat No.	Class C (HRC Form III) Cat. No.
0…30	250	1	1491-N121	–	–	–
0…30	250	2	1491-N122	–	–	–
0…30	250	3	1491-N125	–	1491-R125	–
0…30	600	1	1491-N161	–	–	–
0…30	600	3	1491-N126	1491-N126	1491-R126	–
31…60	250	3	1491-N226		1491-R226	–
31…60	600	3	1491-N266	1491-N266	1491-R266	–
61…100	250…600	3	1491-N333		1491-R333	–
101…200	250…600	1	1491-N421 (use two for 2-pole applications)		–	–
101…200	250…600	2	1491-N421 (qty. 2)		–	–
101…200	250…600	3	1491-N433		1491-R433	–
201…400	250…600	1	1491-N521 (use two for 2-pole applications)		1491-R523	1491-E521
201…400	250…600	2	1491-N521 (qty. 2)		–	–
201…400	250…600	3	1491-N521 (qty. 3)		–	–
401…600	250…600	1	1491-N621		1491-R621	–
401…600	250…600	2	1491-N621 (qty. 2)	–	1491-R621 (qty. 2)	–
401…600	250…600	3	1491-N621 (qty. 3)		1491-R621 (qty. 3)	–

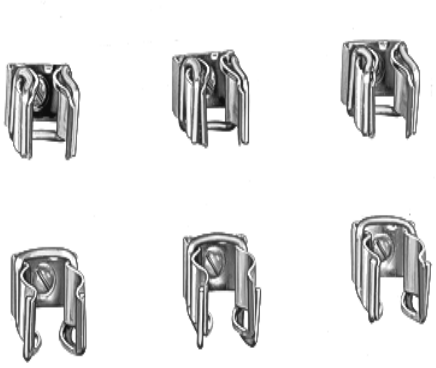
Spare Parts

Lugs

	Lug Connectors 3 per package)		For Use with Cat. No.	Cat. No.
	Disconnect Size [A]	Wire Size		
	30	#14...#8 AWG wire	1491 Fuse Blocks	(1)
	60	#14...#4 AWG wire	1491 Fuse Blocks	1494R-N1
	100	#8...#1/0 AWG wire	1491 Fuse Blocks	1494R-N2
	200	#6...#4/0 AWG wire	1491 Fuse Blocks	1494R-N3
	400	2 of #1/0...350 MCM wire	1491 Fuse Blocks	1494R-N10
	600	2 of #1/0...350 MCM wire	1491 Fuse Blocks	1494R-N11

(1) All terminals of the 30 A switches are furnished with self-lifting pressure plate connectors as standard.

Fuse Clip Kits (Includes six clips and Mounting hardware)

	Fuse Class	Fuse Clip Rating [A]		Cat. No.
		250V	600V	
	H	30	—	1401-N41
	H, J	60	30	1401-N42
	H, J	—	60	1401-N43
	H, J	100	100	1401-N44
	H, J	200	200	1401-N45
	H, J	400	400	1401-N46(1)
	R	30	—	1401-N50
	R	60	30	1401-N51
	R	—	60	1401-N52
	R	100	100	1401-N53
	R	200	200	1401-N54
	R	400	400	1401-N55

(1) All terminals of the 30 A switches are furnished with self-lifting pressure plate connectors as standard.

Specifications

Electrical						
UL Fuse Type		Class H	Class J	Class R	Class C	Class CC
Max Fuse Cartridge Size [A]		30...600 A				30 A
Max Voltage [V]	AC/DC	600V/250V				
Thermal Current Rating [A]		30...600 A				30 A
Max Short Circuit Prospective Fault Current [kA]		10 kA	200 kA		100 kA	200 kA
Construction						
Fuse Clips		Tin-plated copper				
Terminals						
Fuse Block Base		Phenolic or porcelain				
Environmental						
Ambient Temperature °C (°F)	Open	-20...+55 °C (-4...+131 °F)				
	Enclosed	-20...+40 °C (-4...+104 °F)				
	Storage	-40...+65 °C (-40...+149 °F)				
Altitude (per IEC 947-5)		2000 m (6561.68 ft)				
Relative Humidity (per IEC 947-3)		90% at 20 °C (68 °F) and 50% at 40 °C (104 °F)				

Certifications

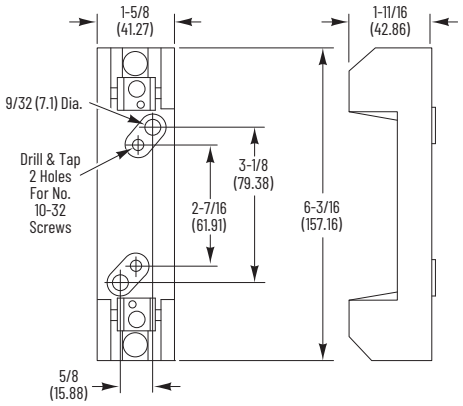
Bulletin No.	1491
Certifications	UL Listed - File No. E34648
	CSA Certified — File No. LR1234

Approximate Dimensions

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

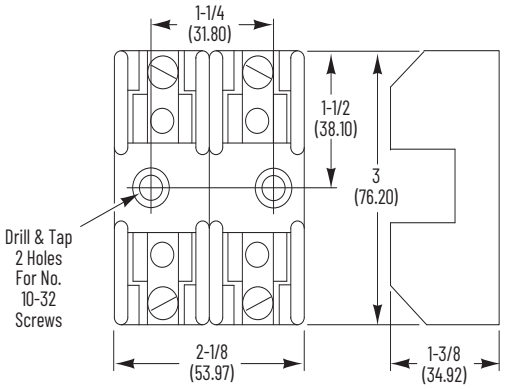
Fuse Size 1...30 A

Fuse Block, 1...30 A, Class H Fuse, 600V, 1 Pole



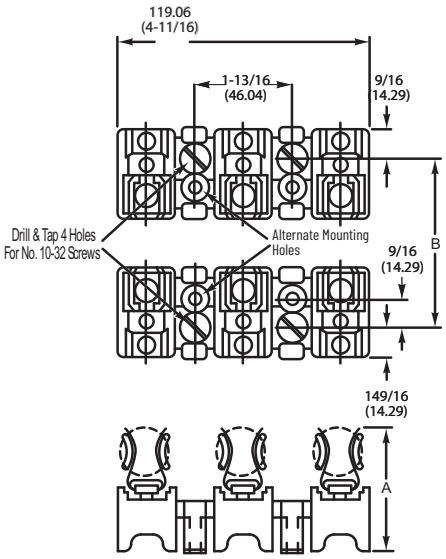
Cat. No. 1491-N161

Fuse Block, 1...30 A, Class H Fuse, 250V, 2 Pole



Cat. No. 1491-N122

Fuse Block, 1...30 A, Class H and J Fuse, 250/600V, 3 Pole



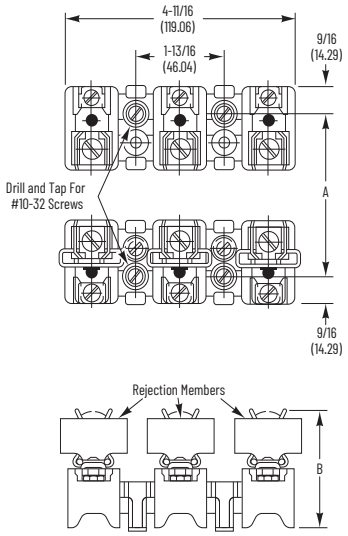
Cat. No. 1491-N125 (250V)

Cat. No. 1491-N126 (600V)

Voltage [V]	Class H		Class J	
	A	B	A	B
250	2-1/8 (54.0)	3 (76.2)	–	
600	2-3/8 (60.3)	5-3/4 (146.1)	2-3/8 (60.3)	3 (76.2)

When fuse blocks are installed in a vertical plane, the block with the rejection must be on the bottom.

Fuse Block, 1...30 A, 250/600V, 3 Pole



Cat. No. 1491-R125 (250V)

Cat. No. 1491-R126 (600V)

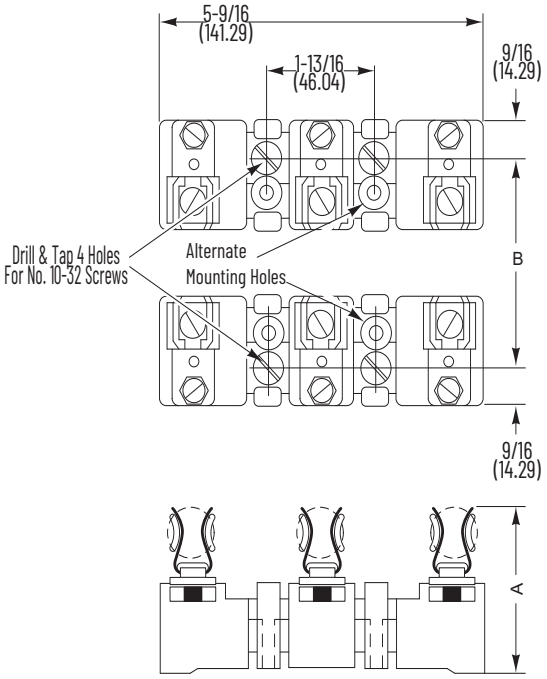
Voltage [V]	A[(1)] ±0.020 (0.508)	B (Ref.)
250	2.94 (74.68)	2-1/8 (53.97)
600	5.72 (145.29)	2-3/8 (60.33)

(1) Dimension "A" must be held to ensure fuse block rejection function.

When fuse blocks are installed in a vertical plane, the block with the rejection must be on the bottom.

Fuse Size 31...60 A

Fuse Block, 31...60 A, Class H and J Fuse, 250/600V, 3 Pole



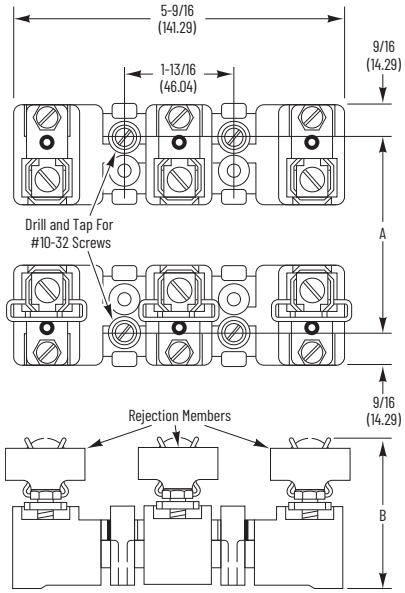
Cat. No. 1491-N226 (250V)

Cat. No. 1491-N266(600V)

Voltage [V]	Class H		Class J	
	A	B	A	B
250	2-3/8 (60.3)	3-3/4 (95.3)	–	–
600	2-11/16 (68.3)	6-1/4 (158.8)	2-11/16 (68.3)	3-1/8 (79.4)

When fuse blocks are installed in a vertical plane, the block with the rejection must be on the bottom.

Fuse Block, 31...60 A, 250/600V, 3 Pole



Cat. No. 1491-R226 (250V)

Cat. No. 1491-R266(600V)

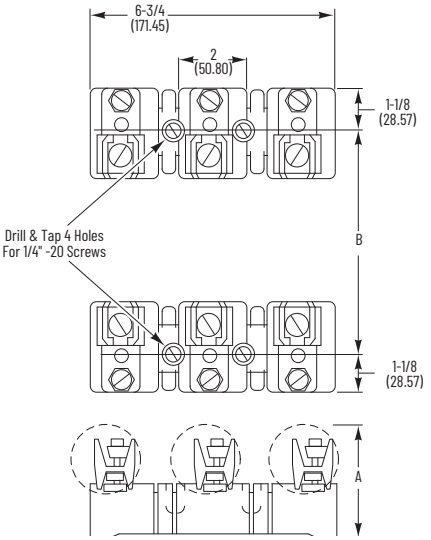
Voltage [V]	A[(1)] ±0.020 (0.508)	B (Ref.)
250	3.72 (94.49)	2-3/8 (60.33)
600	6.22 (157.99)	2-11/16 (68.26)

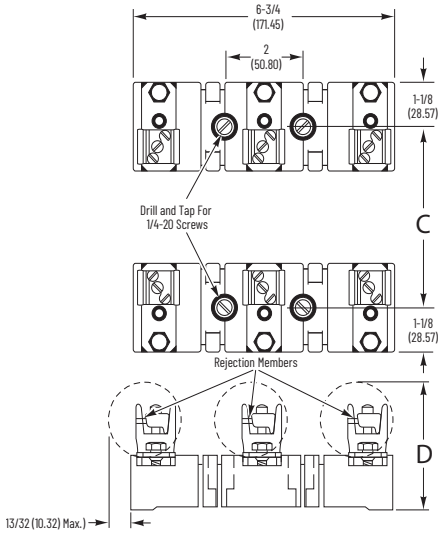
(1) Dimension "A" must be held to ensure fuse block rejection function.

- When fuse blocks are installed in a vertical plane, the block with the rejection must be on the bottom.

Fuse Size 61...100

Fuse Block, 61...100 A, Class H and J, 250/600V, 3 Pole





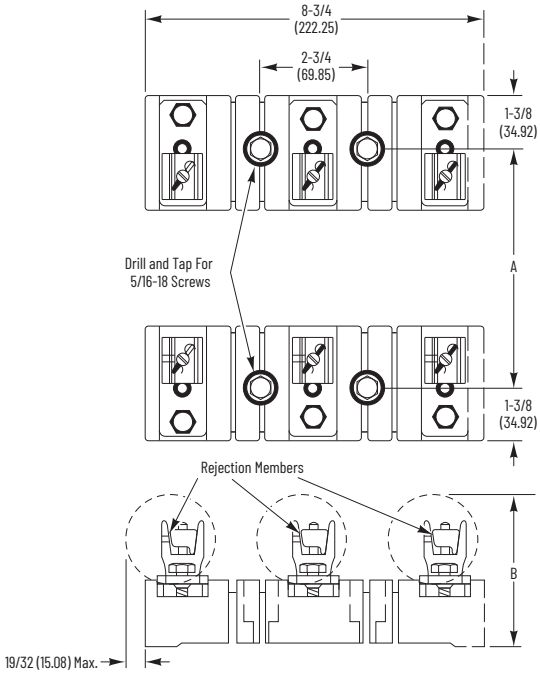
Cat. No. 1491-N333

Voltage [V]	Class H		Class J		C(1) ±0.020 (0.508)	D (Ref.)
	A	B	A	B		
250	2-15/16 (74.6)	5-7/8 (149.2)	—	—	5.88 (149.35)	2-15/16 (74.61)
600	3-1/8 (79.4)	7-7/8 (200.0)	3 (76.2)	4-5/8 (117.5)	7.88 (200.15)	3-1/8 (79.38)

(1) Dimension "A" must be held to ensure fuse block rejection function.

Fuse Size 101...200 A

Fuse Block, 101...200 A, 250/600V, 3 Pole

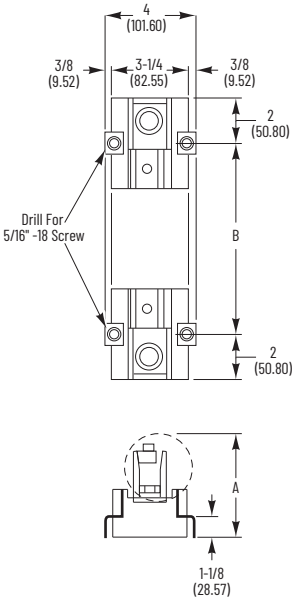


1491-R433

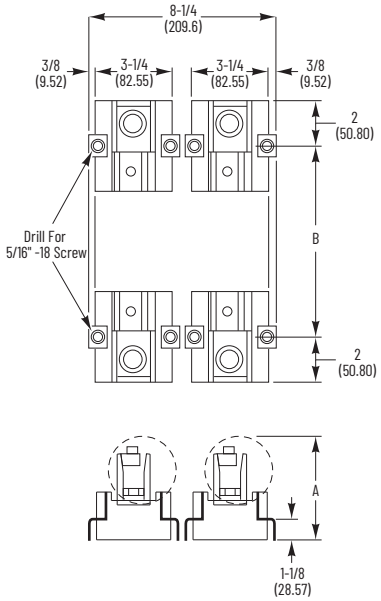
Voltage [V]	A[1] ±0.020 (0.508)	B (Ref.)
250	7.25 (184.15)	4-3/16 (106.36)
600	9.75 (247.60)	4-5/16 (109.54)

(1) Dimension "A" must be held to ensure fuse block rejection function.

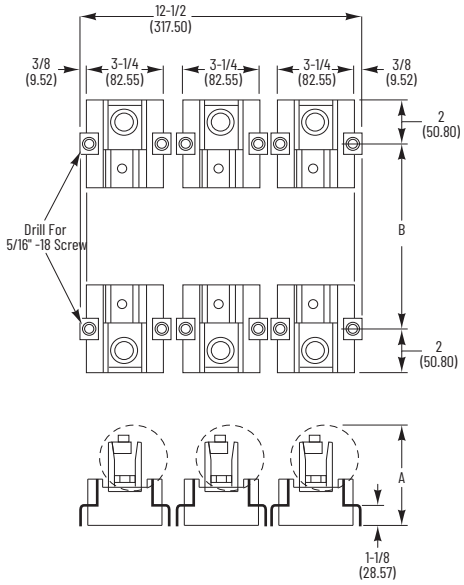
Fuse Block, 101...200 A, Fuse Class H, R, and J, 250/600V, Single Pole



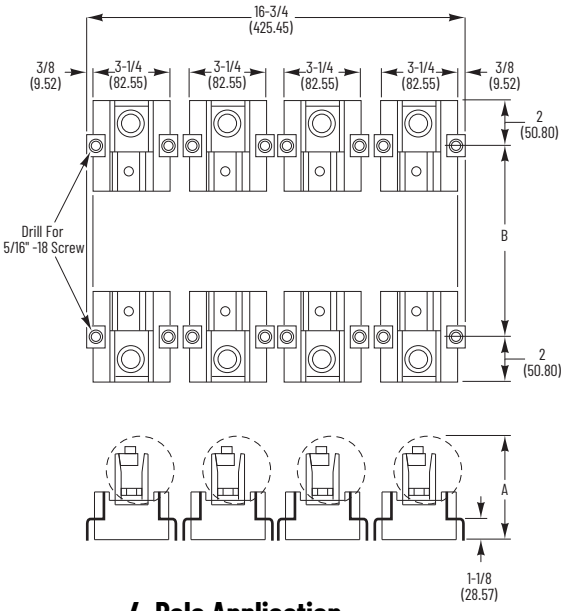
Single Pole Application
Cat. No. 1491-N521



2-Pole Application
Use (2) of Cat. No. 1491-N521



3-Pole Application
Use (3) of Cat. No. 1491-N521

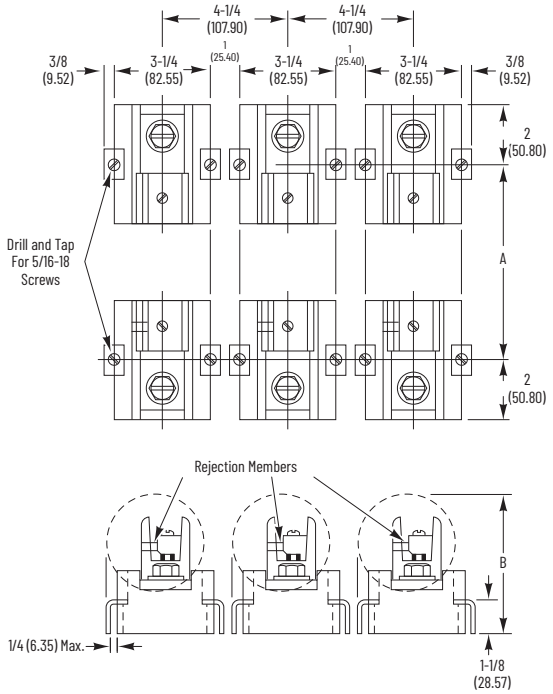


4-Pole Application
Use (4) of Cat. No. 1491-N521

Voltage [V]	Class H or R		Class J	
	A	B	A	B
250	4-3/4 (120.7)	9 (228.6)	–	–
600	4-61/64 (125.8)	12 (304.80)	4-5/8 (117.5)	7-1/2 (190.5)

Fuse Size 201...400 A

Fuse Block, 201...400 A, 250/600 V, 3 Pole



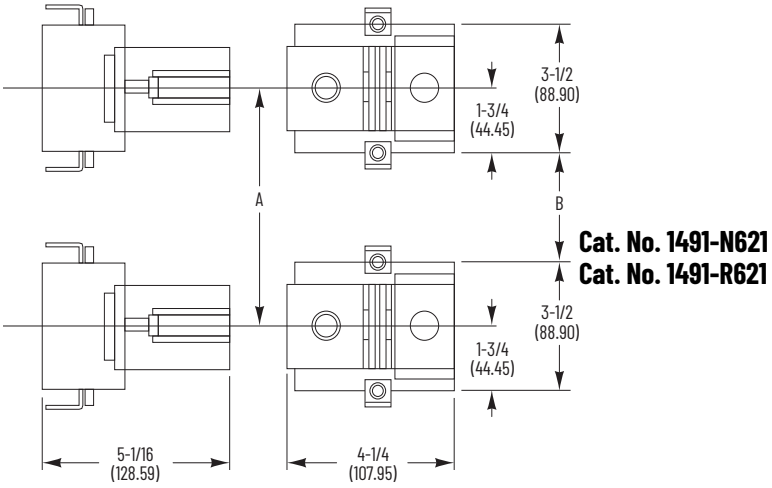
Cat. No. 1491-R523

Voltage [V]	A[1] ±0.020 (0.508)	B (Ref.)
250	9 (228.60)	4-3/4 (120.70)
600	12 (304.80)	4-61/64 (125.81)

(1) Dimension "A" must be held to ensure fuse block rejection function.

Fuse Size 401...600 A

Fuse Block, 600 A, Class H, R, and J, 250/600V



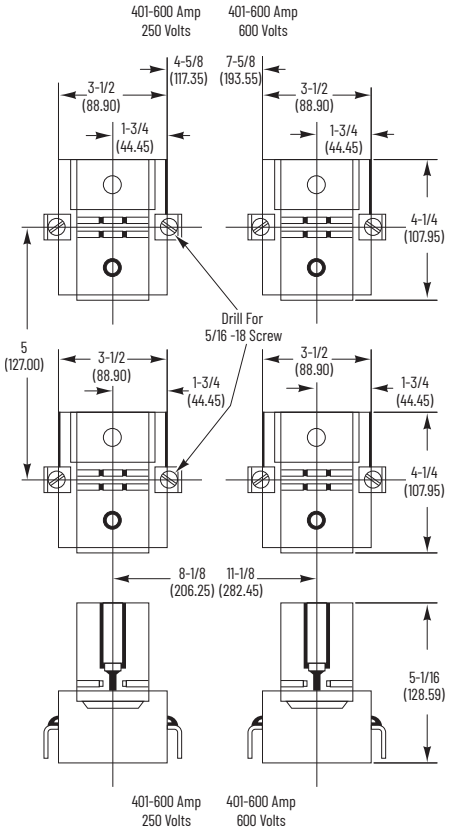
Voltage [V]	Class H or R		Class J	
	A	B	A	B
250	8-1/8 (206.38)	4-5/8 (117.47)	–	–
600	11-1/8 (282.57)	7-5/8 (193.68)	6 (127.00)	2-1/2 (63.50)

Notes:

When fuse blocks are installed in a vertical plane, the block with the rejection must be on the bottom.

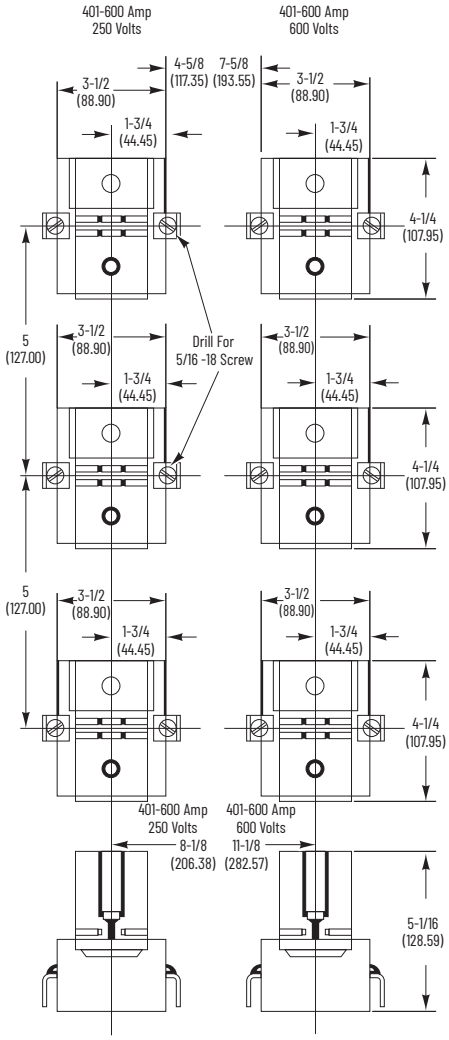
Fuse blocks with wedge type clamps (61 A and Above) can be oriented to mount all fuses either to the left or to the right of fuse clamp centers.

Fuse Blocks, 400 A Termination Only, 250/600V, 2 Pole



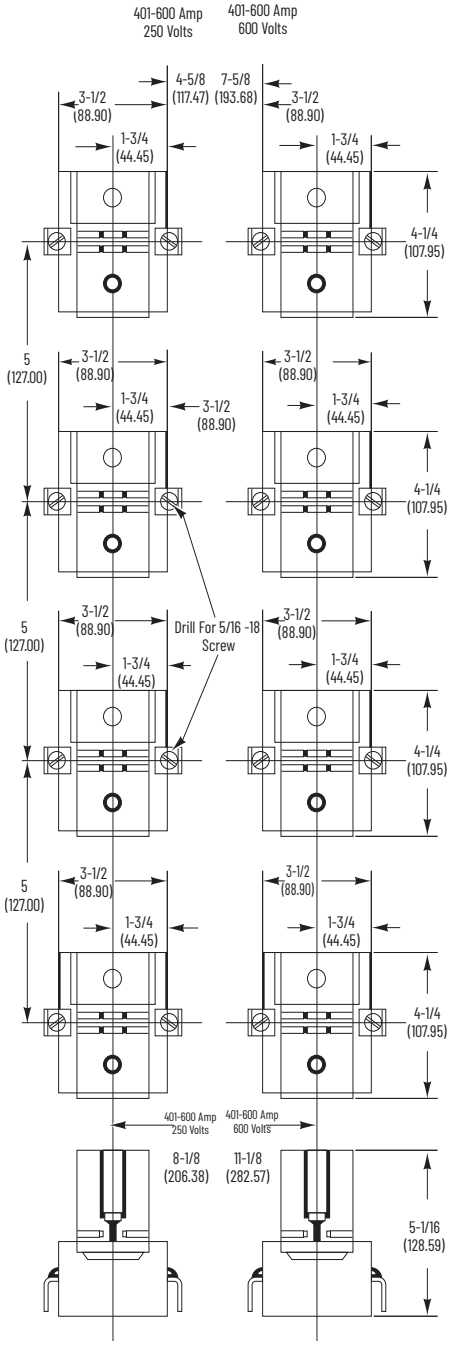
1491-N621 (Qty. 2)

Fuse Blocks, 400 A Termination Only, 250/600V, 3 Pole



1491-N621 (Qty. 3)

Fuse Blocks, 400 A Termination Only, 250/600V, 4 Pole



1491-N621 (Qty. 4)

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation

Resource	Description
Installing Your Main Disconnect Handle Just Became Easy, publication 1494U-AT001	Provides information on flex cable operating mechanisms.
Universal Disconnect Switch Installation Instructions (30A, 60A, 100A), publication 1494U-IN001	Provides information for 30, 60, and 100 A disconnect switch installation.
Universal Disconnect Switch Installation Instructions (200A), publication 1494U-IN007	Provides information for 200 A disconnect switch installation.
IP20 Protective Cover Installation Instructions (200A), publication 1494U-IN009	Provides information for IP20 protective cover installation.
IP1XB Protective Cover Installation Instructions (400A), publication 1494U-IN010	Provides information for IP1XB protective cover installation.
Universal Disconnect Switch Installation Instructions (400A), publication 1494U-IN012	Provides information for 400 A disconnect switch installation.
Universal Disconnect Switch Installation Instructions (600A), publication 1494V-IN028	Provides information for 600 A disconnect switch installation.
Fuse Cover with Door Installation Bulletin 1494V Disconnect Switch - 400 / 600 A, publication 1495-IN003	Provides information for fuse cover with door installation.
Installation Instructions for Bulletin 1495 Protective Fuse Cover for use with Separately Mounted 1491-N621 or 1491-R621 (600 A) Fuse Block Kits, publication 1495-IN012	Provides information for fuse cover installation.
Fuse Blocks - 201 Through 600 Amperes/250-600 Volts Dimensions, publication 1491-DS003	Provides information for Cat. No. 1491-N621 or 1491-R621 installation.
Universal Disconnect Switch Installation Instructions (30A, 60A, 100A), publication 1494U-IN001	Provides information for 30, 60, and 100 A disconnect switch installation.
Universal Disconnect Switch Installation Instructions (200A), publication 1494U-IN007	Provides information for 200 A disconnect switch installation.
IP20 Protective Cover Installation Instructions (200A), publication 1494U-IN009	Provides information for IP20 protective cover installation.
IP1XB Protective Cover Installation Instructions (400A), publication 1494U-IN010	Provides information for IP1XB protective cover installation.
Universal Disconnect Switch Installation Instructions (400A), publication 1494U-IN012	Provides information for 400 A disconnect switch installation.
Universal Disconnect Switch Installation Instructions (600A), publication 1494V-IN028	Provides information for 600 A disconnect switch installation.
Bul 599 Neutral Kits for Bul 1494H (Heavy Duty) Safety Sw-30A, 60A, 100A, 200A publication 42052-189 (03)	Provides information for neutral/grounding kit installation.
Electrical Interlock Kit Installation Instructions for Bulletin 1494H (Heavy Duty) Safety Switches publication 42052-188 (03)	Provides information for Bulletin 1494H electrical interlock kit installation.
Conduit Hub Installation Instructions for Bulletin 1494H (Heavy Duty) and Bulletin 1494HL (General Duty) Safety Switches in Type 3R Enclosures publication 42052-166 (02)	Provides information for Bulletin 1494H and 1494HL conduit hub installation in Type 3R enclosures.
Service Disconnect Ground Kit Installation Instructions for Bulletin 1494H (Heavy Duty) and Bulletin 1494HL (General Duty) Safety Switches publication 42052-165 (02)	Provides information for Bulletin 1494H and 1494HL service disconnect ground kit installation.
Class R Fuse Kit Installation Instructions for Bulletin 1494H (Heavy Duty) Safety Switches publication 42052-167-01 (05)	Provides information for Bulletin 1494H Class R fuse kit installation.
Fuse Cover with Door Installation Bulletin 1494V Disconnect Switch - 400 / 600 A, publication 1495-IN003	Provides information for fuse cover with door installation.
Installation Instructions for Bulletin 1495 Protective Fuse Cover for use with Separately Mounted 1491-N621 or 1491-R621 (600 A) Fuse Block Kits, publication 1495-IN012	Provides information for fuse cover installation.
UL Standards Listing for Industrial Control Products, publication CMPNTS-SR002	Assists original equipment manufacturers (OEMs) with construction of panels, to help ensure that they conform to the requirements of Underwriters Laboratories.
American Standards, Configurations, and Ratings: Introduction to Motor Circuit Design, publication IC-AT001	Provides an overview of American motor circuit design based on methods that are outlined in the NEC.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication IC-TD002	Provides a quick reference tool for Allen-Bradley industrial automation controls and assemblies.

Resource	Description
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication SGI-1.1	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, rok.auto/certifications.	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at rok.auto/literature.

Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, Knowledgebase, and product notification updates.	rok.auto/support
Local Technical Support Phone Numbers	Locate the telephone number for your country.	rok.auto/phonesupport
Technical Documentation Center	Quickly access and download technical specifications, installation instructions, and user manuals.	rok.auto/techdocs
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	rok.auto/pcdc

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