

Contents

<i>Description</i>	<i>Page</i>
Compact Circuit Protector (CCP) disconnect switches	
30A Class CC, Midget and 10x38	12-2
CCPLP	12-4
30A 60A and 100A Class CF.....	12-6
CCPB - Compact Circuit Protector Base.....	12-8
UL 98 fused disconnect switches 30 to 800A	
Introduction and Agency Information	12-10
Product line summary.....	12-11
30A Compact Class CC and Class J.....	12-12
30A Class J.....	12-14
60A Compact Class J	12-16
60A Class J.....	12-18
100A Class J.....	12-20
200A and 400A Class J.....	12-22
600A Class J and 800A Class L.....	12-25
UL 98 non-fused disconnect switches 30 to 1200A	
Introduction and Agency information	12-27
Product line summary.....	12-28
30A, 60A and 100A compact.....	12-29
100A, 200A and 400A standard.....	12-30
600A, 800A, 1000A and 1200A standard.....	12-33
UL 508 non-fused disconnect switches 16 to 80A	
Introduction and Agency information	12-35
Product line summary.....	12-36
16A, 25A, 40A, 63A and 80A standard	12-37
Enclosed UL 98 and UL 508 disconnect switches	
Introduction and Agency information	12-40
Fused UL 98	
30A to 800A enclosed disconnects	12-41
Non-fused UL 98	
30 to 1200A enclosed disconnects	12-43
Non-fused UL 508	
16 to 80A enclosed disconnects	12-45
Fused, dead front disconnect switches.....	12-46

Disconnect switches

RED indicates **NEW** information

1-, 2- and 3-pole, Class CC, UL midget and 10x38mm IEC



Amp rating	UL fuse class	No. of poles	Volts	SCCR	Max horsepower rating*				Wire size/ (torque†††)	Wire type	Part number	Agency information
					120 Vac	240 Vac	480 Vac	600 Vac				
30	CC	1	600Vac	200kA	0.5	—	—	—	Single/Dual 8-6AWG Sol/Str	CCP-1-30CC	UL 98 Listed, cULus 22.2, No. 4-04	
30	CC	2	600Vac	200kA	—	2	—	—		CCP-2-30CC	UL 98 Listed, cULus 22.2, No. 4-04	
30	CC	3	600Vac	200kA	—	3	4	7.5		CCP-3-30CC	UL 98 Listed, cULus 22.2, No. 4-04	
30	UL Midget	1	240Vac†	10kA†	—	—	—	—	75°C Cu or higher	CCP-1-30M	UL 508 Listed, cULus 22.2, No. 14-05	
32*	10x38 IEC		400Vac†	120kA†							IEC 60947-3, AC23A	
30	UL Midget	2	240Vac†	10kA†	—	—	—	—		Single 4AWG Sol/Str	CCP-2-30M	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC		400Vac†	120kA†								IEC 60947-3, AC23A
30	UL Midget	3	240Vac†	10kA†	—	—	—	—		Spade Terminal††	CCP-3-30M	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC		400Vac†	120kA†								IEC 60947-3, AC23A
30	CC	1	80Vdc†	20kA†	—	—	—	—	CCP-1-DC	UL 98 Listed, CSA 22.2, No. 4-04		
30	CC	1	80Vdc†	10kA†	—	—	—	—	CCP-1-DCM	UL 508 Listed, cULus 22.2, No. 14-05		
32*	10x38 IEC										IEC 60947-3, DC23A	

*32A Class aM, 25A Class gG.
 †SCCR May be lower, refer to installed fuse data sheets.
 ††Spade terminal with a 4.3mm gap for a #8-32 stud, 30A max, insulated flange, wire size 12-10AWG.
 †††- 18-10AWG; 20 Lb-In
 - 8-4AWG; 35 Lb-In

Specifications

Agency information

- CE compliant
- RoHS compliant
- For Class CC fuse versions
 - UL 98 Listed, File E302370, Guide WHTY
 - cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7
- For UL midget and 10X38 IEC fuse versions
 - UL 508 Listed, File E320230, Guide NRNT
 - cULus Certified 22.2 No. 14-05
 - IEC 60947-3 AC23A
 - IEC 60947-3 DC23A



Terminals

- Single/dual conductor box lug or spade terminal suitable for line, load or accessory connection

Torque

- 18-10AWG 20 Lb-In
- 8-4AWG 35 Lb-In

Storage and operating temperature

- -20°C to 75°C*

* For fuse performance under or above 25°C, consult fuse performance derating charts in the Eaton publication titled *Selecting Protective Devices (SPD)*, reorder #3002.

Flammability rating

- UL 94V0

Lockout/tagout provisions

- 4mm shank lock or Brady pin-out device, Part number 90850

Mounting

- 35mm DIN-Rail

Local open fuse indication minimum voltage**

- 90Vac for AC versions
- 12Vdc for DC versions

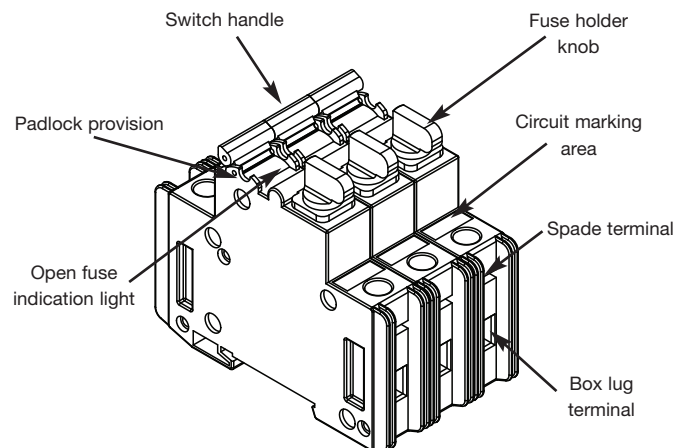
** Open fuse indication requires an open fuse to be in the CCP and the switch in the ON position.

Features

- IP20 Finger-safe construction with #10 or larger wire
- Switch interlock prohibits removing the fuse under load

Accessories

- Auxiliary contacts
- PLC wired remote fuse indication



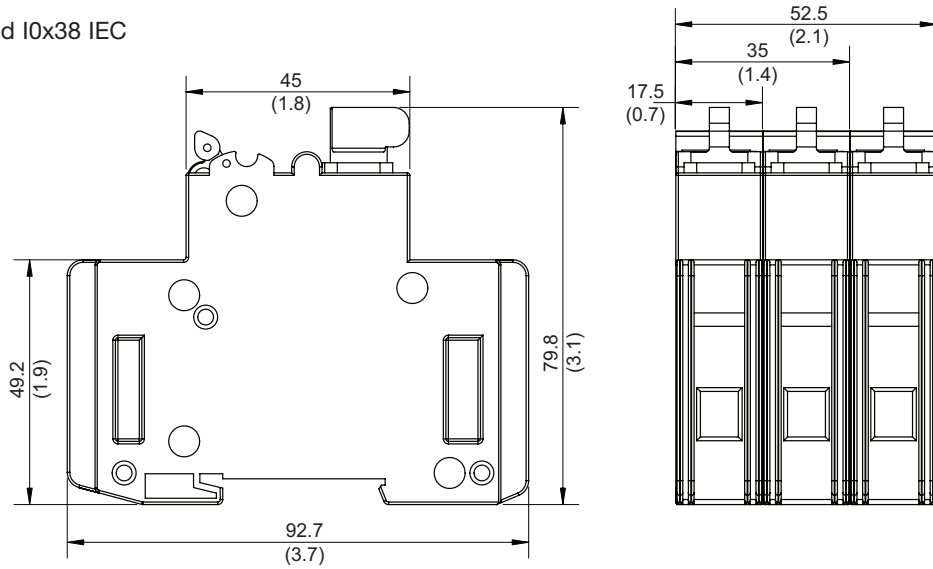
Available Bussmann series fuses

Fuse class	Type/description	Volts	Data Sheet #
CC	LP-CC time-delay, current limiting	600Vac/300Vdc	1023
CC	FNQ-R time-delay	600Vac/300Vdc	1014
CC	KTK-R fast-acting	600Vac	1015
M	FNM time-delay	250Vac	2028
M	FNQ time-delay	500Vac	1012
M	KTK fast-acting	600Vac	1011
M	BAF fast-acting	250Vac	2011
M	KLM fast-acting	600Vac/dc	2020
gG/gL	C10G	500V (400V@32A)	720115
aM	C10M	500V (400V@20@25A)	720115

1-, 2- and 3-pole, Class CC, UL midget and 10x38mm IEC

Dimensions – mm (in)

Class CC, UL midget and 10x38 IEC



Disconnect switches



Auxiliary contacts



PLC indicator
(Includes leads with spade terminals)

CCP-_-30_ accessories					
Description	Max per CCP	Signal output	Minimum circuit voltage	Agency information	Part number
Auxiliary contacts NO+NC For switch status	1 per CCP (1-, 2- or 3-pole)	5A/ 240Vac	—	UL 98 Recognized, cURus 22.2 No. 4-04, IEC 60947-5-1 AC15	CCP-AUX*
PLC fuse monitor for open fuse indication	1 per CCP (1-, 2- or 3-pole)	24Vdc/ 10mA	100Vac	UL 98 Recognized, cURus 22.2 No. 4-04	CCP-PLC-IND*

* Refer to Data Sheet # 1157 for details.

**Catalog symbol:**

CCPLP-(poles)-(amps)-(terminal)

Description:

The revolutionary Busmann® series Low Profile Compact Circuit Protector (CCPLP) fused disconnect switch is available in 1-, 2- and 3-pole versions for UL Class CC (1/10-30A), Class G (20A), 13/32" x 1-1/2" midget UL (1/10-30A) and IEC 10x38 aM/gG (0.16-32A) fuses.

The CCPLP has the smallest footprint of any UL 98 Listed fused disconnect switch along with up to a 200kA SCCR to help improve equipment SCCR.

Class CC and G versions are easily selectively coordinated with upstream CUBEFuses™ using published fuse ampacity ratio tables.

Unique panel mounting permits easy integration into many panel designs and provides a high SCCR alternative to low profile circuit breakers on the market.

Specifications:**Ratings**

Frequency	- 50/60Hz
Impulse voltage	- 8kV
Volts	- 600Vac (Class CC up to 30A, Class G 20A) - 550Vac (10x38 IEC Class aM 0.16-16A) - 500Vac (10x38 IEC Class gG 0.5-25A) - 400Vac (10x38 IEC Class aM 20-32A, gG 32A) - 240Vac (13/32" x 1-1/2" midget UL 30A)
Amps	- Up to 30A (UL) - Up to 32A (IEC)
SCCR	- 200kA (Class CC) - 120kA (10x38 IEC Class gG and aM) - 100kA (Class G) - 10kA (13/32" x 1-1/2" midget UL)

Poles

- 1-, 2- and 3-pole factory configured
- 2- and 3-pole versions feature ganged switches and phase barriers.

Data Sheet: 10372

Agency information

- Finger-safe IP20 from panel front
- CE compliant
- RoHS compliant
- For Class G fuse versions
 - UL 98 Listed, Guide WHTY
 - IEC 60947-3 AC-23A
- For Class CC fuse versions
 - UL 98 Listed, Guide WHTY
 - cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7
 - IEC 60947-3 AC-23A
- For UL midget and 10x38 IEC fuse versions
 - cULus Listed to CSA 22.2 No. 14-05
 - UL 508 Listed, File E230230, Guide NRNT
 - IEC 60947-3 AC-23A

Terminals and conductors 75°C/90°C Cu

- Screw terminal - #10-32 phil-slot screw with external tooth lock washer — use with properly rated/UL Listed ring or fork terminal
- Pressure plate terminal - #10-32 phil-slot screw — single 22-6AWG solid or stranded

Terminal screw torque

- 20 Lb-In (2.2 N•m)

Mounting

- Front panel mounting with customer supplied M3 screws
- Mounting screw torque 4-5 Lb-In (0.4-0.5 N•m)

Open fuse indication*

- Local open fuse indication provided by a orange neon lamp on each pole, minimum voltage 90Vac

* Open fuse indication requires an energized, closed circuit with an open fuse in the CCPLP and the switch in the ON position.

Ambient storage and operating temperature

- -20°C to 90°C, 85% relative humidity non-condensing

Flammability rating

- UL 94 V2

Lockout/tagout provisions

- Brady pin-out device, P/N 90844

Circuit labeling provisions

- Accepts up to two universal marker labels (P/N TM26CB)

Carton quantity

- 12 poles (1-pole: 12 units, 2-pole: 6 units, 3-pole: 4 units)

Minimum enclosure size

- 6"x6"x4" per UL 98 Listing

Catalog numbers:

Class G fuses

Catalog number		Poles	Volts AC	Amps	SCCR (kA)
Screw terminal	Pressure plate terminal				
CCPLP-1-20G-S	CCPLP-1-20G-P	1	600	20	100
CCPLP-2-20G-S	CCPLP-2-20G-P	2	600	20	100
CCPLP-3-20G-S	CCPLP-3-20G-P	3	600	20	100

Agency information: UL 98 Listed, Guide WHTY, CE, RoHS compliant.

Class CC fuses

Catalog number		Poles	Volts AC	Max amps	SCCR (kA)	Horsepower rating (Vac)			
Screw terminal	Pressure plate terminal					120	240	480	600
CCPLP-1-30CC-S	CCPLP-1-30CC-P	1	600	30	200	0.5	—	—	—
CCPLP-2-30CC-S	CCPLP-2-30CC-P	2	600	30	200	—	2	—	—
CCPLP-3-30CC-S	CCPLP-3-30CC-P	3	600	30	200	—	3	4	7.5

Agency information: UL 98 Listed, Guide WHTY, cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7, CE, RoHS compliant.

13/32" x 1-1/2" UL midjet fuses

Catalog number		Poles	Volts AC	Max amps	SCCR (kA)
Screw terminal	Pressure plate terminal				
CCPLP-1-30M-S	CCPLP-1-30M-P	1	240	30	10
CCPLP-2-30M-S	CCPLP-2-30M-P	2	240	30	10
CCPLP-3-30M-S	CCPLP-3-30M-P	3	240	30	10

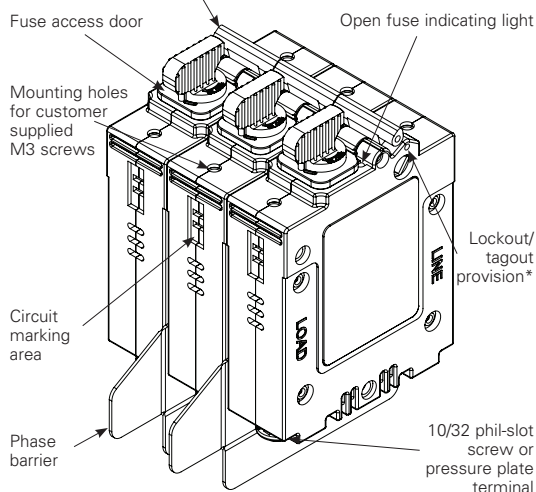
Agency information: CE, RoHS compliant, cULus Listed to CSA 22.2 No. 14-05, UL 508 Listed, File E230230, Guide NRNT.

10x38 IEC Class gG and aM fuses

Catalog number		Poles	Fuse class	Volts AC (amp range)	SCCR (kA)
Screw terminal	Pressure plate terminal				
CCPLP-1-30M-S	CCPLP-1-30M-P	1	gG	500 (0-25) / 400 (32)	120
			aM	550 (0-16) / 400 (20-32)	120
CCPLP-2-30M-S	CCPLP-2-30M-P	2	gG	500 (0-25) / 400 (32)	120
			aM	550 (0-16) / 400 (20-32)	120
CCPLP-3-30M-S	CCPLP-3-30M-P	3	gG	500 (0-25) / 400 (32)	120
			aM	550 (0-16) / 400 (20-32)	120

Agency information: CE, RoHS compliant, IEC 60947-3 AC-23A, cULus Listed to CSA 22.2 No. 14-05, UL 508 Listed, File E230230, Guide NRNT.

Switch handle (ganged on 2- and 3-pole versions)



* Use Brady pin-out device, P/N 90844

Available Bussmann series fuses:

Fuse Class	Type/description	Volts	Data sheet No.
CC	LP-CC time-delay, current-limiting	600Vac	1023
CC	FNQ-R time-delay	600Vac	1014
CC	KTK-R fast-acting	600Vac	1015
G	SC time-delay (20A)	600Vac	1024
M	FNM time-delay	250Vac	2028
M	FNQ time-delay	500Vac	1012
M	KTK fast-acting	600Vac	1011
M	BAF fast-acting	250Vac	2011
M	KLM fast-acting	600Vac	2020
gG	C10G (0.5-25A)	500Vac	720115
gG	C10G (32A)	400Vac	720115
aM	C10M (0.16-16A)	550Vac	720115
aM	C10M (20-25A)	400Vac	720115

Data Sheet: 10372

1-, 2- and 3-pole, Class CF CUBEFuse™



Amp rating	UL fuse class	No. of poles	Volts	SCCR	Max horsepower rating*				Wire size (see note for torque**)	Wire type	Part number	Agency information
					120 Vac	240 Vac	480 Vac	600 Vac				
30	CF	1	600Vac	200kA	1.5	—	—	—	Single/Dual 18-6AWG Sol/Str	75°C Cu or higher	CCP-1-30CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc	100kA							CCP-2-30CF	
30	CF	2	600Vac	200kA	—	3	—	—	Single 4AWG Sol/Str	75°C Cu or higher	CCP-3-30CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc	100kA								
30	CF	3	600Vac	200kA	—	5	15	10	Spade Terminal†	75°C Cu or higher	CCP-1-60CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc††	100kA							CCP-2-60CF	
60	CF	1	600Vac	200kA	3	—	—	—	Spade Terminal†	75°C Cu or higher	CCP-3-60CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc††	100kA								
60	CF	2	600Vac	200kA	—	7.5	—	—	Single 8-10AWG Sol/Str	75°C Cu or higher	CCP-1-100CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc†††	100kA							CCP-2-100CF	
60	CF	3	600Vac	200kA	—	7.5	20	10	8-1AWG Str Dual 6AWG Str Spade Terminal†	75°C Cu or higher	CCP-3-100CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc†††	100kA								
100	CF	1	600Vac	200kA	5	—	—	—	Single 8-10AWG Sol/Str	75°C Cu or higher	CCP-1-100CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc†††	100kA							CCP-2-100CF	
100	CF	2	600Vac	200kA	—	10	—	—	8-1AWG Str Dual 6AWG Str Spade Terminal†	75°C Cu or higher	CCP-3-100CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc†††	100kA								
100	CF	3	600Vac	200kA	—	20	50	50	8-1AWG Str Dual 6AWG Str Spade Terminal†	75°C Cu or higher	CCP-3-100CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc†††	100kA								

* With time-delay Low-Peak CUBEFuse.
 ** 30-60A: 18-10AWG 20 Lb-In, 8-6AWG 35 Lb-In, 4AWG 35 Lb-In.
 70-100A: 18-10AWG Single 25 Lb-In, 8-1AWG Single 35 Lb-In, 6AWG Dual 45 Lb-In.
 † Spade terminal with a 4.3mm gap for a #8-32 stud, 30A max, insulated flange, wire size 12-10AWG.
 †† Up to 40A max, >40A is 24Vdc.
 ††† Up to 80A max, >80A is 24Vdc.

Specifications

Agency information

- CE compliant
- RoHS compliant
- UL 98 Listed, File E302370, Guide WHTY
- cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7



Terminals

- Single/dual conductor box lug or spade terminal suitable for line, load or accessory connection
- Torque: 0-60A:
 - 18-10AWG 20 Lb-In
 - 8-6AWG 35 Lb-In
 - 4AWG 35 Lb-In
- 70-100A:
 - 18-10AWG single 25 Lb-In
 - 8-1AWG single 40 Lb-In
 - 6AWG dual 45 Lb-In

Fuses

- Uses finger-safe Class CF CUBEFuse™ with Class J performance
- Low-Peak™ dual-element, time-delay*
 - Non-indicating 1-100A
 - Indicating 6-100A
- Fast-acting, non-indicating 1-100A**

* See Data Sheet # 9000

** See Data sheet # 2147

Storage and operating temperature

- -20°C to 75°C***

*** For fuse performance under or above 25°C, consult fuse performance derating charts in the Eaton publication titled *Selecting Protective Devices (SPD)* reorder #3002.

Flammability rating

- UL 94V0

Lockout/tagout provisions

- 4mm shank lock or Brady pin-out device, part number 90850

Mounting

- 35mm DIN-Rail

Local open fuse indication minimum voltage†

- 90V

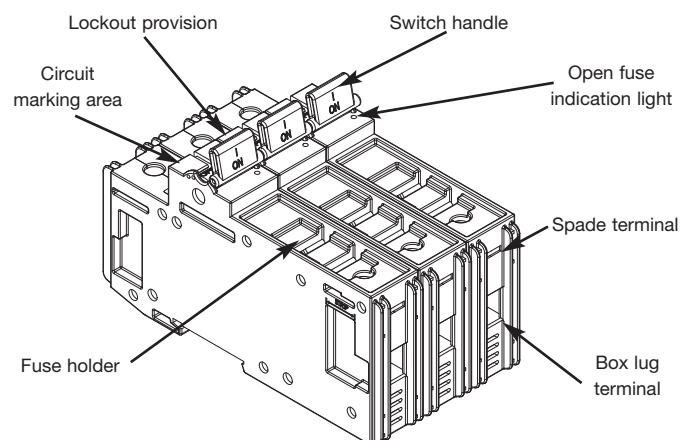
† Open fuse indication requires an open fuse to be in the CCP and the switch in the ON position.

Features

- Ampacity rejecting disconnects will not accept CUBEFuse amp ratings greater than switch rating
- IP20 Finger-safe construction with 10AWG (6mm²) wire or larger
- Built-in switch interlock capability prohibits removing the fuse under load

Accessories

- Auxiliary contacts
- PLC wired remote fuse indication
- CUBEFuse pullers (P/Ns: CFP-30, CFP-60, CFP-100)

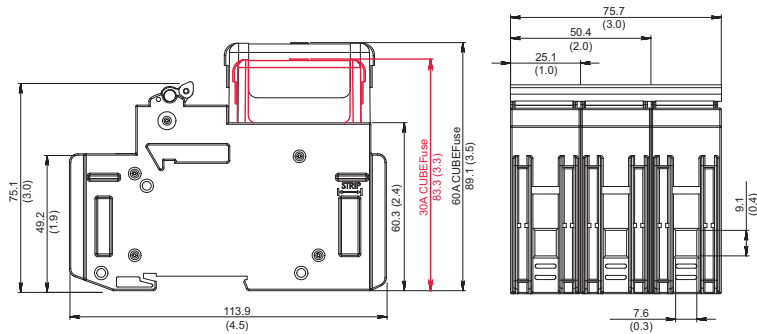


Data Sheet: 1157

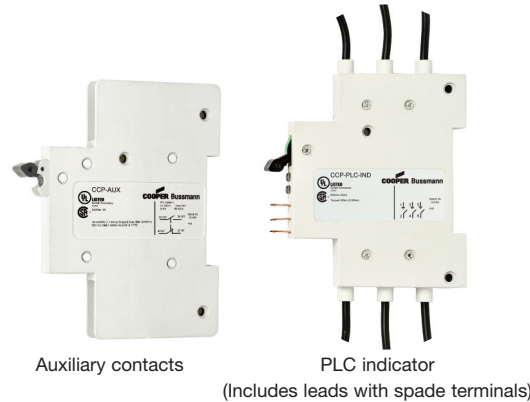
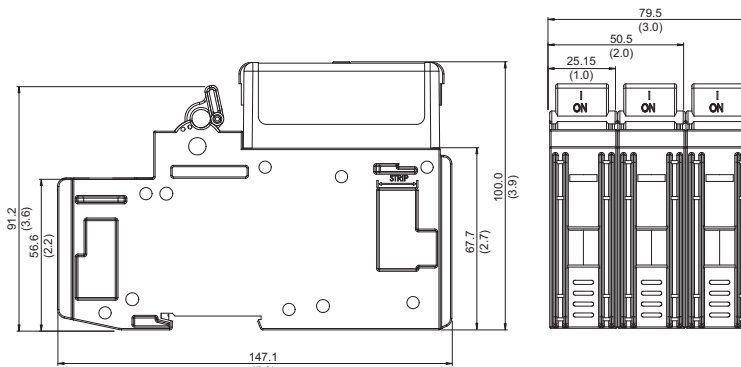
1-, 2- and 3-pole, Class CF CUBEFuse™

Dimensions – mm (in)

30 and 60 Amp



100 Amp



CCP- _ _ CF accessories					
Description	Max per CCP	Signal output	Minimum circuit voltage	Agency information	Part number
Auxiliary contacts NO+NC For switch status up to 60A	1 per CCP (1-, 2-, 3-pole)	5A/ 240Vac	–	UL 98 Recognized, cURus 22.2 No. 4-04, IEC 60947-5-1 AC15	CCP-AUX*
Auxiliary contacts NO+NC For switch status 70 to 100A	1 per CCP (1-, 2-, 3-pole)	5A/ 240Vac	–	UL 98 Recognized, CSA C22.2 No. 4	CCP-AUX-100*
PLC fuse monitor for open fuse indication 70 to 100A	1 per CCP (1-, 2-, 3-pole)	24Vdc/ 10mA	100Vac	UL 98 Recognized, cURus 22.2 No. 4-04	CCP-PLC-IND*
PLC fuse monitor for open fuse indication 70 to 100A	1 per CCP (1-, 2-, 3-pole)	24Vdc/ 10mA	100Vac	UL 98 Recognized, CSA C22.2 No. 4	CCP-PLC-100*

* Refer to Data Sheet # 1157 for details.

Disconnect switches

Disconnect switches

Compact Circuit Protector Base (CCPB) with CUBEFuse™



The revolutionary Eaton CCPB with CUBEFuse™ is designed as a fused branch circuit disconnect with fuse holder for the Bussmann series Quik-Spec™ Coordination Panelboard. The CCPB with CUBEFuse simplifies selective coordination and allows for isolation of individual branch circuit loads for safe work practices.

Product features and benefits

- Uses finger-safe Class CF Low-Peak™ CUBEFuse with current-limiting, time-delay Class J performance*
- High short-circuit current ratings at 200kA
- Disconnect rated to provide means for load isolation
- Full voltage rated at 600Vac
- UL 98 Listed and suitable for branch circuit disconnect and branch circuit protection
- 1-, 2- and 3-pole versions are horsepower rated
- Patented rejection feature helps prevent overfusing
- Complies with UL and cULus
- Open fuse indication light per pole
- Additional open fuse indication can be provided by using the indicating CUBEFuse version
- Built-in switch/fuse interlock prohibits removing the fuse while energized
- Permanent lockout/tagout provisions

*See data sheet 9000 for CUBEFuse specifications.

**For fuse performance under or above 25°C, consult fuse performance derating charts.

Specifications:

- CCPB ampacity rejection breaks: 15A, 20A, 30A, 40A, 50A, 60A, 70A, 90A and 100A.
- 1-, 2- and 3-pole versions
- For systems 600Vac (or less)
- Box lug loadside terminal:
 - 18-6AWG single & dual rated, solid or stranded – 75°C, Cu only
 - 4AWG single – 75°C, Cu only
- Box lug loadside terminal torque: 18-10AWG 20 Lb-In (2.2 N•m), 8-4AWG 35 Lb-In (3.9 N•m)
- Spade terminal load connection:
 - Max. 30A suitable for use with #8-32UNC screw
- Bolt-on style bus connector, #10-32-UNC Hex flange Phillips screw, torque to 25 Lb-In (2.8N•m)
- Lockout/tagout: 4mm shank lock
- Bolt-mounted design into Quik-Spec Coordination Panelboard bus
- Local indication: illumination requires closed circuit and minimum 90Vac operating voltage
- RoHS compliant

Agency information:

UL 98 Listed, File E302370, Guide WHTY
 cULus to CSA Standard 22.2 No. 4, File E302370, Guide WHTY7
 CE Compliant

Shipping weight: 2.03 lbs per carton

Carton quantity: 6 poles

Environmental data

Storage and operating temperature: -20°C to 75°C**

Technical Ratings

CCPB part numbers	Poles	Voltage rating	CUBEFuse™ (Class J performance)			Max. fuse** ampacity	SCCR	Hp ratings***
			Time-delay non-indicating	Time-delay indicating*	Fast-acting non-indicating			
CCPB-1-15CF	1	600Vac 125Vdc	TCF1RN, TCF3RN, TCF6RN, TCF10RN, TCF15RN	TCF6, TCF10, TCF15	FCF1RN, FCF3RN, FCF6RN, FCF10RN, FCF15RN	15A	200kA	0.5Hp@120V
CCPB-2-15CF	2							1.5Hp@240V
CCPB-3-15CF	3							3Hp@240V 5Hp@480V 7.5Hp@600V
CCPB-1-20CF	1	600Vac 125Vdc	TCF17-1/2RN, TCF20RN	TCF17-1/2, TCF20	FCF20RN	20A	200kA	0.75Hp@120V
CCPB-2-20CF	2							2Hp@240V
CCPB-3-20CF	3							3Hp@240V 7.5Hp@480V 10Hp@600V
CCPB-1-30CF	1	600Vac 125Vdc	TCF25RN, TCF30RN	TCF25, TCF30	FCF25RN, FCF30RN	30A	200kA	1.5Hp@120V
CCPB-2-30CF	2							3Hp@240V
CCPB-3-30CF	3							5Hp@240V 15Hp@480V 10Hp@600V
CCPB-1-40CF	1	600Vac 125Vdc	TCF35RN, TCF40RN	TCF35, TCF40	FCF35RN, FCF40RN	40A	200kA	2.0Hp@120V
CCPB-2-40CF	2							3Hp@240V
CCPB-3-40CF	3							7.5Hp@240V 20Hp@480V 10Hp@600V
CCPB-1-50CF	1	600Vac 24Vdc	TCF45RN, TCF50RN	TCF45, TCF50	FCF45RN, FCF50RN	50A	200kA	3.0Hp@120V
CCPB-2-50CF	2							5Hp@240V
CCPB-3-50CF	3							7.5Hp@240V 20Hp@480V 10Hp@600V
CCPB-1-60CF	1	600Vac 24Vdc	TCF60RN	TCF60	FCF60RN	60A	200kA	3.0Hp@120V
CCPB-2-60CF	2							7.5Hp@240V
CCPB-3-60CF	3							7.5Hp@240V 20Hp@480V 10Hp@600V
CCPB-1-70CF	1	600Vac 125Vdc	TCF70RN	TCF70	FCF70RN	70A	200kA	3.0Hp@120V
CCPB-2-70CF	2							7.5Hp@240V
CCPB-3-70CF	3							15Hp@240V 30Hp@480V
CCPB-1-90CF	1	600Vac 125Vdc†	TCF90RN	TCF90	FCF80RN, FCF90RN	90A	200kA	5.0Hp@120V
CCPB-2-90CF	2							10Hp@240V
CCPB-3-90CF	3							20Hp@240V 40Hp@480V
CCPB-1-100CF	1	600Vac 24Vdc	TCF100RN	TCF100	FCF100RN	100A	200kA	5.0Hp@120V
CCPB-2-100CF	2							10Hp@240V
CCPB-3-100CF	3							20Hp@240V 50Hp@480V

*1A and 3A indicating CUBEFuse not available. Correct fit with CCPB disconnect requires indicating CUBEFuse with date code R38 or later.

**Any fuse with an amp rating less than or equal to the max fuse rating may be used. Example: TCF15 may be used with CCPB-1-20CF.

***Do not use UPS/Critical Application fast-acting CF with motors.

†Up to 80 amps. >80A rated 24Vdc.



Description

Bussmann series UL 98 and UL 489 fused disconnect switches “break” and “make” power circuits ON and OFF load.

The switches employ double break contacts per pole that help ensure complete isolation of the fuse when the switch is in the “OFF” position.

Features

- Make and break power under load
- Double break by pole
- DIN-Rail or panel mount (30-100A)
- Up to 200kA short-circuit current rating
- Finger-safe covers
- Compact footprints available
- Defeatable handles automatically re-latch when the panel door is closed
- Most disconnect switches are front, right side, flange or direct handle operable
- NFPA 79 compliant handle kits

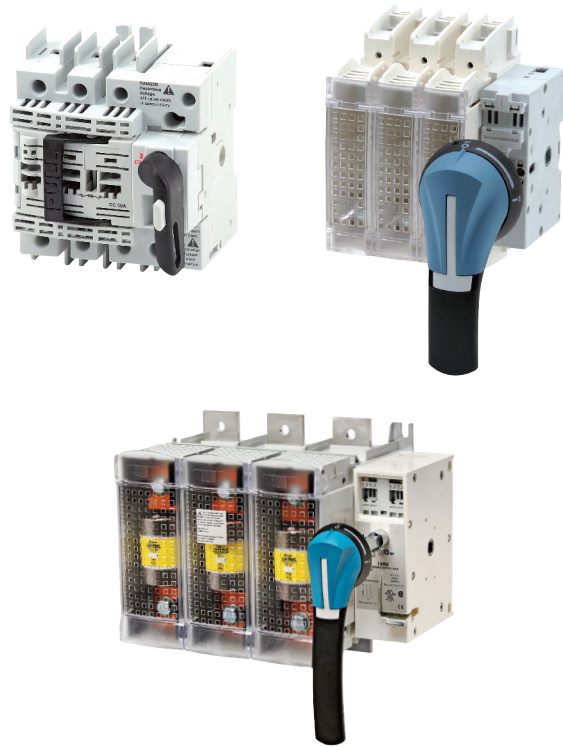
Agency information

- UL 98, Guide WHTY, File E155130
- UL 489, Guide WJAZ, File E359801
- CSA 22.2 No. 4, File 257020
- Conforms with IEC 60947-3
- NFPA 79 (2002 Edition)

Online resources

Visit www.cooperbussmann.com/Disconnects for:

- CAD drawings
- Instruction sheets
- UL information








QuikShip 
Everyday

QuikShip Everyday Service ships the most common part numbers within 24 hours. Contact your Eaton representative for details.

Available Bussmann series fuses

Class	Type	Data Sheet #
CC	LP-CC time-delay, current limiting	1023
CC	FNQ-R time-delay	1014
CC	KTK-R fast-acting	1015
J	LPJ time-delay, current limiting	1006 (0-60A)
J		1007 (70-600A)
J	JKS fast-acting fuses	1026 (0-60A)
J		1027 (70-600A)
J	DFJ high speed drive fuse	1048 (0-600A)
L	KRP-C time-delay, current limiting	1008
L	KTU fast-acting	1010
L	KLU time-delay	1013

UL electrical specifications																																																																							
		RDF30CC-3		RDF30J-3 / RDF60J-3-COMP		RDF60J-3		RDF200J-3		RDF600J-3																																																													
Part number																																																																							
2-pole	—		—		RDF30J-2	RDF60J-2-COMP	RDF60J-2	RDF100J-2	RDF200J-2	RDF400J-2	RDF600J-2	RDF800L-2																																																											
3-pole	RDF30CC-3	RDF30J-3-COMP	RDF30J-3	RDF60J-3-COMP	RDF60J-3	RDF100J-3	RDF200J-3	RDF400J-3	RDF600J-3	RDF600J-3	RDF800L-3																																																												
3-pole + neutral	RDF30CC-3N	RDF30J-3N-COMP	—		—		—		—		—																																																												
4-pole	—		RDF30J-4	RDF60J-4-COMP	RDF60J-4	RDF100J-4	RDF200J-4	RDF400J-4	RDF600J-4	RDF600J-4	RDF800L-4																																																												
UL standard	UL 489	UL 489	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98																																																												
Fuse class	CC	J	J	J	J	J	J	J	J	J	L																																																												
Max fuse/ampacity	30	30	30	60	60	100	200	400	400	600	800																																																												
Switch type	Compact	Compact	Standard	Compact	Standard	Standard	Standard	Standard	Standard	Standard	Standard																																																												
Handle operation	Front	Front	Front/Side	Front/Side	Front/Side	Front/Side	Front/Side	Front/Side	Front/Side	Front	Front																																																												
UL electrical ratings																																																																							
Max AC volts	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac																																																												
Max DC volts*	—	—	250Vdc	250Vdc	250Vdc	250Vdc	—	250Vdc	250Vdc	600Vdc	600Vdc																																																												
Std AC horsepower ratings																																																																							
1-phase, 240Vac	—	—	3	10	10	10	10	10	10	—	—																																																												
3-phase, 240Vac	3	3	3	7.5	7.5	15	25	50	75	75	75																																																												
3-phase, 480Vac	5.0	5.0	5.0	15	15	25	50	100	150	200	200																																																												
3-phase, 600Vac	7.5	7.5	7.5	15	15	30	60	125	200	250	250																																																												
Max AC horsepower ratings																																																																							
3-phase, 240Vac	7.5	7.5	7.5	15	15	30	60	125	200	200	200																																																												
3-phase, 480Vac	15	15	15	30	30	60	125	250	400	500	500																																																												
3-phase, 600Vac	20	20	20	50	50	75	150	350	500	500	500																																																												
DC horsepower ratings																																																																							
125Vdc	—	—	3	5	5	7.5	—	20	—	—	—																																																												
250Vdc	—	—	5	10	10	20	—	50	—	—	—																																																												
Electrical characteristics																																																																							
SCCR	100kA	100kA	200kA	100kA	200kA	200kA	200kA	200kA	200kA	200kA	200kA																																																												
Terminal lugs/kits	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral																																																												
Mounting torque - Lb-In (N·m)	—	—	—	—	—	—	160 (18)	310 (35)	310 (35)	310 (35)	310 (35)																																																												
Wire type	75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al																																																												
Wire range and Torque - Lb-In (N·m)	<table border="0"> <tr> <td>Solid</td> <td>#14-10</td> <td>#14-10</td> <td>#14-10</td> <td>#14-10</td> <td>#12-10</td> <td>#12-10</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Stranded</td> <td>27 (3.1)</td> <td>27 (3.1)</td> <td>31 (3.5)</td> <td>31 (3.5)</td> <td>35.4 (4)</td> <td>35.4 (4)</td> <td>#6-300MCM</td> <td>#4-600MCM</td> <td>(2) #2-600MCM</td> <td>(2) #2-600MCM</td> <td>(2) #2-600MCM</td> </tr> <tr> <td></td> <td>27 (3.1)</td> <td>27 (3.1)</td> <td>31 (3.5)</td> <td>31 (3.5)</td> <td>35.4 (4)</td> <td>35.4 (4)</td> <td>275 (31)</td> <td>550 (62)</td> <td>375 (42.4)</td> <td>375 (42.4)</td> <td>375 (42.4)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Dual 1/0-250MCM</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>550 (62)</td> <td></td> <td></td> <td></td> </tr> </table>											Solid	#14-10	#14-10	#14-10	#14-10	#12-10	#12-10	—	—	—	—	—	Stranded	27 (3.1)	27 (3.1)	31 (3.5)	31 (3.5)	35.4 (4)	35.4 (4)	#6-300MCM	#4-600MCM	(2) #2-600MCM	(2) #2-600MCM	(2) #2-600MCM		27 (3.1)	27 (3.1)	31 (3.5)	31 (3.5)	35.4 (4)	35.4 (4)	275 (31)	550 (62)	375 (42.4)	375 (42.4)	375 (42.4)									Dual 1/0-250MCM												550 (62)			
Solid	#14-10	#14-10	#14-10	#14-10	#12-10	#12-10	—	—	—	—	—																																																												
Stranded	27 (3.1)	27 (3.1)	31 (3.5)	31 (3.5)	35.4 (4)	35.4 (4)	#6-300MCM	#4-600MCM	(2) #2-600MCM	(2) #2-600MCM	(2) #2-600MCM																																																												
	27 (3.1)	27 (3.1)	31 (3.5)	31 (3.5)	35.4 (4)	35.4 (4)	275 (31)	550 (62)	375 (42.4)	375 (42.4)	375 (42.4)																																																												
								Dual 1/0-250MCM																																																															
								550 (62)																																																															
Mechanical characteristics																																																																							
Endurances/cycles	10,000	10,000	10,000	10,000	10,000	10,000	8000	6000	5000	5000	5000																																																												
Physical characteristics																																																																							
Dimensions																																																																							
See drawings on product pages																																																																							
Weight - Lbs (KG)																																																																							
2-pole	—	—	3.0 (1.3)	3.1 (1.4)	4.0 (1.8)	4.07 (1.8)	5.7 (2.6)	11.4 (5.2)	31.7 (14.4)	31.7 (14.4)	31.7 (14.4)																																																												
3-pole	1.3 (0.6)	1.4 (0.6)	3.8 (1.7)	4.1 (1.8)	5.3 (2.4)	5.3 (2.4)	7.8 (3.5)	16.6 (7.6)	44.2 (20.1)	44.2 (20.1)	44.2 (20.1)																																																												
3-pole + neutral	—	1.5 (0.7)	—	—	—	—	—	—	—	—	—																																																												
4-pole	—	—	4.7 (2.1)	4.8 (2.2)	X.X (2.9)	6.49 (2.9)	10.8 (4.9)	21.8 (9.9)	56.8 (25.8)	56.8 (25.8)	56.8 (25.8)																																																												
Environmental																																																																							
Operating temp. range	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C																																																												
Flammability rating	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0																																																												
Accessories																																																																							
Lug Kit	Integral	Integral	Integral	Integral	Integral	Integral	•	•	•	•	•																																																												
Handles	•	•	•	•	•	•	•	•	•	•	•																																																												
Direct	•	•	•	•	•	•	•	•	•	•	•																																																												
Front selector	•	•	•	•	•	•	•	•	•	•	•																																																												
Front pistol	•	•	•	•	•	•	•	•	•	•	•																																																												
Side pistol	•	•	•	•	•	•	•	•	•	•	•																																																												
Flange	—	—	•	•	•	•	•	•	•	•	•																																																												
Cable	—	—	•	•	•	•	•	•	•	•	•																																																												
Shaft	—	—	•	•	•	•	•	•	•	•	•																																																												
NFPA through door handle	•	•	•	•	•	•	•	•	•	•	•																																																												
Shafts c/s - mm	5x5	5x5	10x10	10x10	10x10	10x10	10x10	10x10	12x12	12x12	12x12																																																												
Terminal shrouds	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	•	•	•	•	•																																																												
Auxiliary contacts	•	•	•	•	•	•	•	•	•	•	•																																																												
(1) NO	•	•	•	•	•	•	•	•	•	•	•																																																												
(1) NC	•	•	•	•	•	•	•	•	•	•	•																																																												
AC ratings	<table border="0"> <tr> <td>Volts</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> <td>600</td> </tr> <tr> <td>Amps</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> </table>											Volts	600	600	600	600	600	600	600	600	600	600	600	Amps	10	10	10	10	10	10	10	10	10	10	10																																				
Volts	600	600	600	600	600	600	600	600	600	600	600																																																												
Amps	10	10	10	10	10	10	10	10	10	10	10																																																												

• Available, see product page for details and part numbers.
 — Not available.
 * General purpose only, not photovoltaic rated.

Compact Class CC and Class J

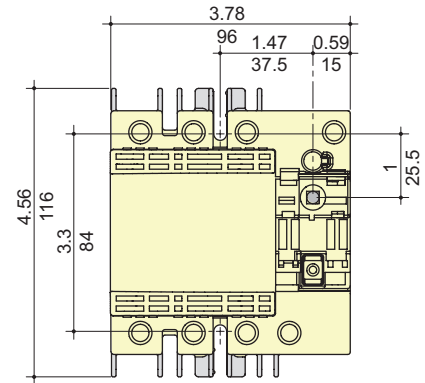
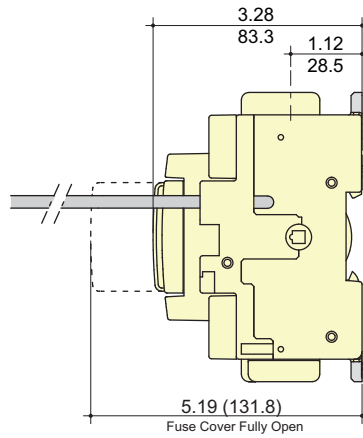
For a complete assembly, please select:

Select for standard applications		Switch									
		Amp rating	Fuse class	Number of poles	SCCR	Max horsepower rating, 3-ph		Wire size	Wire type	Part number	
		30	CC	3	100kA	220/240Vac	440/480Vac	600 Vac	#14-10 Sol/Str	75°C Cu	RDF30CC-3
		30	CC	3 + Ntrl*	100kA	7.5	15	20	#14-10 Sol/Str	75°C Cu	RDF30CC-3N
		30	J	3	100kA	7.5	15	20	#14-10 Sol/Str	75°C Cu	RDF30J-3-COMP
	30	J	3 + Ntrl*	100kA	7.5	15	20	#14-10 Sol/Str	75°C Cu	RDF30J-3N-COMP	
	* Neutral is switched.										
	+										
	Handle		Direct mount handle - mounts directly to switch, no shaft required								
			For switch part number	Color	Test function	Padlockable				Part number	
RDF30CC- <u> </u>			Black	Y	Y				DIR-05		
RDF30J- <u> </u> -COMP		Black	Y	Y				DIR-06			
OR											
		External front operated selector handle - shaft required									
		NEMA type	Color	Test function	Padlockable	Defeatable	Part number				
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-04B				
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-04R				
		Shafts for selector handles									
	Length in (mm)	Mounting depth (X) in (mm)					Part number				
7.9 (200)	4.02~9.65 (102~245)					SH1-200					
12.6 (320)	4.02~14.37 (102~365)					SH1-320					
15.7 (400)	4.02~17.52 (102~445)					SH1-400					
OR											
 or 	External front operated pistol handles - shaft required										
	NEMA type	Color	Test function	Padlockable	Defeatable	Part number					
	1, 3R, 12	Black	N	Y	Y	H12-05B					
	1, 3R, 12	Red/yellow	N	Y	Y	H12-05R					
	1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-05B					
	1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-05R					
	1, 3R, 4, 4X, 12	Black	Y	Y	Y	H4X-05TB					
	1, 3R, 4, 4X, 12	Red/yellow	Y	Y	Y	H4X-05TR					
	Metallic hasp (heavy duty) external front operated pistol handles - shaft required										
	NEMA type	Color	Test function	Padlockable	Defeatable	Part number					
1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-05BHD						
1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-05RHD						
Shafts for pistol handles											
Length in (mm)	Mounting depth (X) in (mm)					Part number					
7.9 (200)	4.02~9.65 (102~245)					SH2-200					
12.6 (320)	4.02~14.37 (102~365)					SH2-320					
15.7 (400)	4.02~17.52 (102~445)					SH2-400					
OR											
	NFPA through the door handle kit - to be used with front pistol handle										
	Color			Test function	Padlockable	Defeatable	Part number				
Red			N	Y	N	H79-1					
and...											
Accessories		Auxiliary contacts									
		Contact type	Number of contacts	Continuous amp rating	Voltage rating	Maximum number of auxiliary contacts per disconnect switch part number			Part number		
		NO	1	10A	600Vac	RDF30CC- <u> </u> : 4 / 8 with BAC-HOLDER2			BAC05 ⁽¹⁾		
		NC	1	10A	600Vac	RDF30J- <u> </u> -COMP: 2 / 6 with BAC-HOLDER2			BAC06 ⁽¹⁾		
Auxiliary Contact Holder				Accepts 4 Auxiliary contacts: BAC05 or BAC06			BAC-HOLDER2 ⁽²⁾				

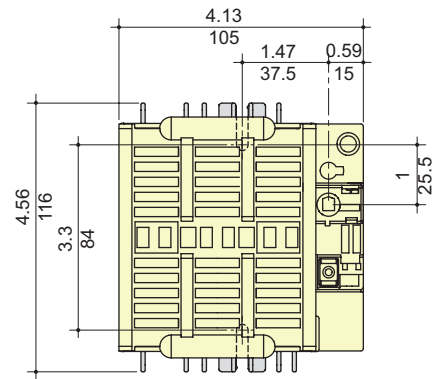
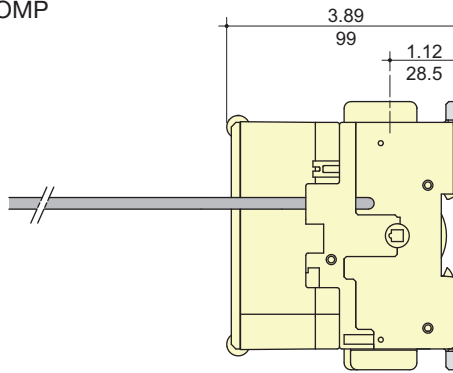
Compact Class CC and Class J

Dimensions – in (mm)

• RDF30CC-



• RDF30J- -COMP



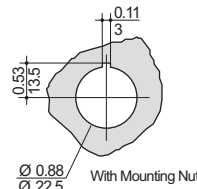
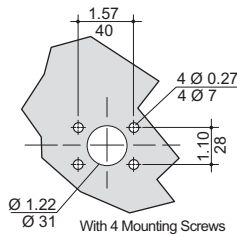
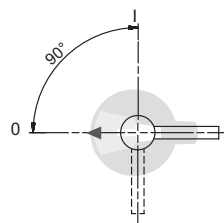
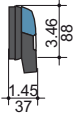
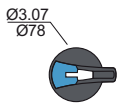
Disconnect switches

External front selector handle

Selector Handle Type

Direction of Front Operation

Door Drilling Layout



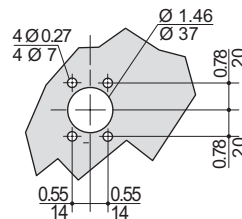
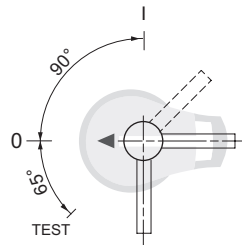
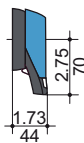
H4X-04-

External front pistol handles

Pistol Handle Type

Direction of Front Operation





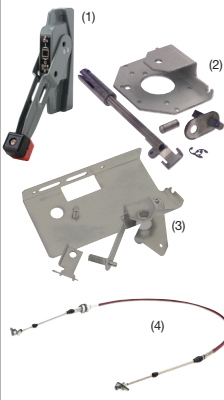

Door Drilling Layout



H4X-05-
H12-05-

Standard Class J

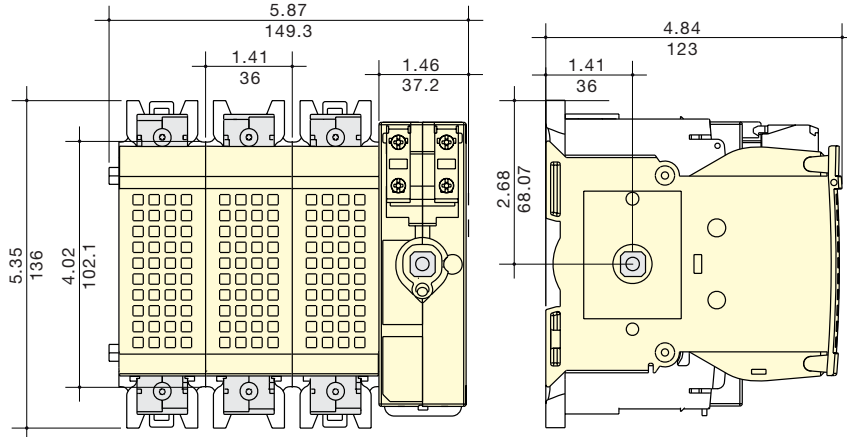
For a complete assembly, please select:

SWITCH		Switch											
		Amp rating	Fuse class	No. of poles	SCCR	Max horsepower rating					Wire size	Wire type	Part number
						1-phase 220/240Vac	3-phase		DC*				
						220/240Vac	440/480Vac	600 Vac	125 Vdc	250 Vdc			
30	J	2	200kA	3	-	-	-	3	5	#14-10 Sol #14-6 Str	75°C Cu	RDF30J-2	
30	J	3	200kA	-	7.5	15	20	3	5	#14-10 Sol #14-6 Str	75°C Cu	RDF30J-3	
30	J	4	200kA	-	7.5	15	20	3	5	#14-10 Sol #14-6 Str	75°C Cu	RDF30J-4	
* DC ratings use two poles in series.													
+													
Select for standard applications		Direct mount handle - mounts directly to switch, no shaft required											
		Part number	Color	Test function	Padlockable	Part number							
	All switches	Black	Y	Y - On Switch	DIR-07								
	OR												
		External front operated pistol handles - shaft required											
		NEMA type	Color	Test function	Padlockable	Defeatable	Part number						
		1, 3R, 12	Black	N	Y	Y	H12-05B						
		1, 3R, 12	Red/yellow	N	Y	Y	H12-05R						
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-05B						
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-05R						
1, 3R, 4, 4X, 12		Black	Y	Y	Y	H4X-05TB							
1, 3R, 4, 4X, 12		Red/yellow	Y	Y	Y	H4X-05TR							
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required											
		NEMA type	Color	Test function	Padlockable	Defeatable	Part number						
	1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-05BHD							
1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-05RHD								
	External right side operated pistol handles - shaft required												
	NEMA type	Color	Test function	Padlockable	Defeatable	Part number							
	1, 3R, 4, 4X, 12	Black	N	Y	N/A	H4X-05SB							
1, 3R, 4, 4X, 12	Red/yellow	N	Y	N/A	H4X-05SR								
	Shafts for pistol handles												
	Length in (mm)	Mounting depth (X) in (mm)				Part number							
	7.9 (200)	5.30~9.06 (135~230)				SH5-200							
	12.6 (320)	5.30~13.78 (135~350)				SH5-320							
	15.7 (400)	5.30~16.93 (135~430)				SH5-400							
OR													
	Flange handle⁽¹⁾ - requires shaft operated mechanism or cable operated mechanism + cable												
	NEMA type	Flange style	Test function	Padlockable	Defeatable	Part number							
	1, 3R, 4, 12	Standard	N	Y	Y	FLH1							
	1, 3R, 4, 4X, 12	Chrome Plated	N	Y	Y	FLH2							
	Shaft operated flange mechanism⁽²⁾ - includes shaft												
	For enclosure depth - in (mm)						Part number						
	6~24 (152~613)						FLRM						
	Cable operated flange mechanism and cable - must select mechanism⁽³⁾ and cable⁽⁴⁾												
	Item / length						Part number						
	Cable mechanism						FLCM						
36" (900mm) cable						FLC36							
60" (1500mm) cable						FLC60							
120" (3000mm) cable						FLC120							
OR													
	NFPA through the door handle kit - to be used with front pistol handle												
	Color	Test function	Padlockable	Defeatable	Part number								
Red	N	Y	N	H79-2									

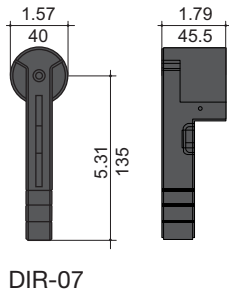
Standard Class J

		and ...					
Acc.	Aux contacts	Auxiliary contacts				Part number	
		Contact type	Number of contacts	Continuous amp rating	Voltage rating		
		NO	1	10A	600Vac		4
		NC	1	10A	600Vac	4	BAC06

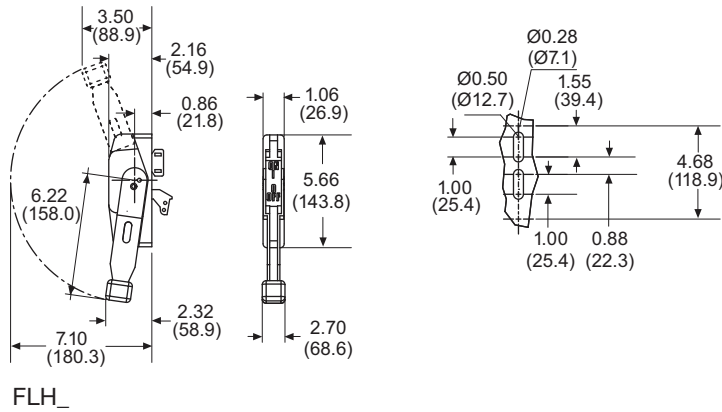
Dimensions – in (mm)



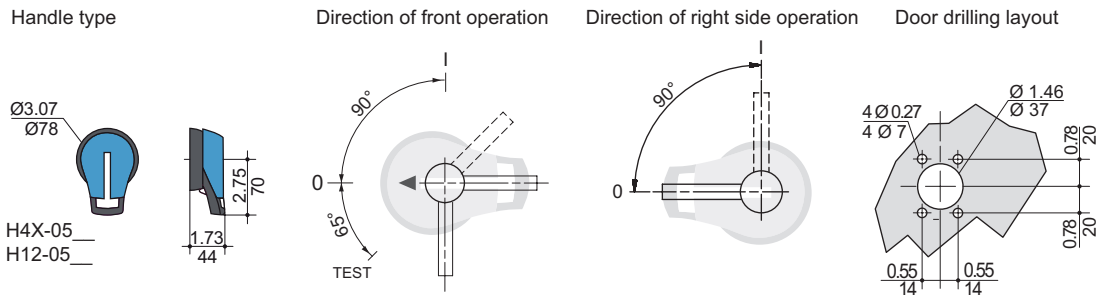
Direct mount handle



Flange handle



External front and right side pistol handle




Disconnect switches

Compact Class J

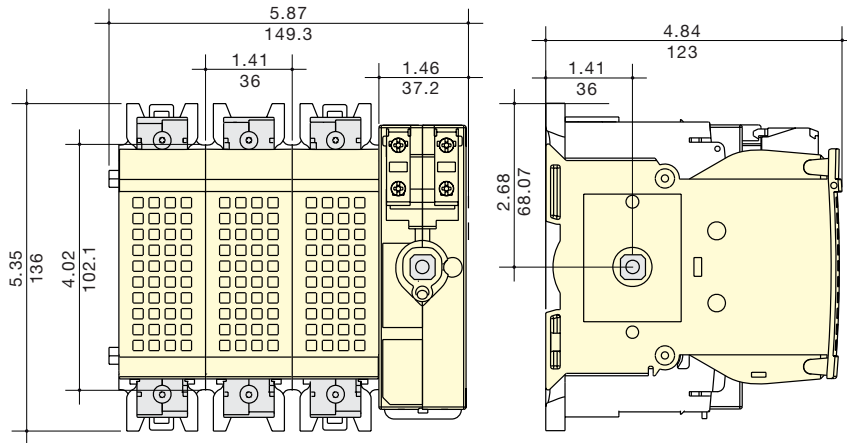
For a complete assembly, please select:

Switch	Switch												
	Amp rating	Fuse class	Number of poles	SCCR	Max horsepower rating						Wire size	Wire type	Part number
					1-phase		3-phase		DC*				
					220/240Vac	220/240Vac	440/480Vac	600 Vac	125 Vdc	250 Vdc			
60	J	2	100kA	10	-	-	-	5	10	#14-10 Sol #14-6 Str	75°C Cu	RDF60J-2-COMP	
60	J	3	100kA	-	15	30	50	5	10	#14-10 Sol #14-6 Str	75°C Cu	RDF60J-3-COMP	
60	J	4	100kA	-	15	30	50	5	10	#14-10 Sol #14-6 Str	75°C Cu	RDF60J-4-COMP	
* DC ratings use two poles in series.													
+													
	Direct mount handle - mounts directly to switch, no shaft required												
	For switch Part number	Color		Test function	Padlockable					Part number			
All switches	Black		Y	Y - on switch					DIR-07				
OR													
 or 	External front operated pistol handles - shaft required												
	NEMA type	Color		Test function	Padlockable	Defeatable		Part number					
	1, 3R, 12	Black		N	Y	Y		H12-05B					
	1, 3R, 12	Red/yellow		N	Y	Y		H12-05R					
	1, 3R, 4, 4X, 12	Black		N	Y	Y		H4X-05B					
	1, 3R, 4, 4X, 12	Red/yellow		N	Y	Y		H4X-05R					
	1, 3R, 4, 4X, 12	Black		Y	Y	Y		H4X-05TB					
	1, 3R, 4, 4X, 12	Red/yellow		Y	Y	Y		H4X-05TR					
	Metallic hasp (heavy duty) external front operated pistol handles - shaft required												
	NEMA type	Color		Test function	Padlockable	Defeatable		Part number					
	1, 3R, 4, 4X, 12	Black		N	Y	Y		H4X-05BHD					
	1, 3R, 4, 4X, 12	Red/yellow		N	Y	Y		H4X-05RHD					
	External right side operated pistol handles - shaft required												
	NEMA type	Color		Test function	Padlockable	Defeatable		Part number					
	1, 3R, 4, 4X, 12	Black		N	Y	N/A		H4X-05SB					
1, 3R, 4, 4X, 12	Red/yellow		N	Y	N/A		H4X-05SR						
Shafts for pistol handles													
Length in (mm)	Mounting depth (X) in (mm)					Part number							
7.9 (200)	5.30~9.06 (135~230)					SH5-200							
12.6 (320)	5.30~13.78 (135~350)					SH5-320							
15.7 (400)	5.30~16.93 (135~430)					SH5-400							
OR													
	Flange handle⁽¹⁾ - requires shaft operated mechanism or cable operated mechanism + cable												
	NEMA type	Flange style		Test function	Padlockable	Defeatable		Part number					
	1, 3R, 4, 12	Standard		N	Y	Y		FLH1					
	1, 3R, 4, 4X, 12	Chrome Plated		N	Y	Y		FLH2					
	Shaft operated flange mechanism⁽²⁾ - includes shaft												
	For enclosure Depth - in (mm)								Part number				
	6~24 (152~613)								FLRM				
	Cable operated flange mechanism and cable - must select mechanism⁽³⁾ <i>and</i> cable⁽⁴⁾												
	Item / length								Part number				
	Cable mechanism								FLCM				
36" (900mm) cable								FLC36					
60" (1500mm) cable								FLC60					
120" (3000mm) cable								FLC120					
OR													
	NFPA through the door handle kit - to be used with selector handle or front pistol handle												
	Color			Test function	Padlockable	Defeatable		Part number					
Red			N	Y	N		H79-2						

Compact Class J

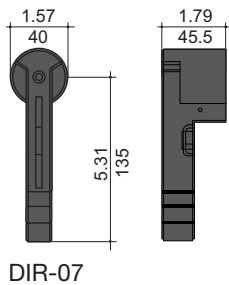
		and ...				
Acc. Aux contacts		Auxiliary contacts				Part number
		Contact type	Number of contacts	Continuous amp rating	Voltage rating	
		NO	1	10A	600Vac	
NC	1	10A	600Vac	4	BAC06	

Dimensions – in (mm)

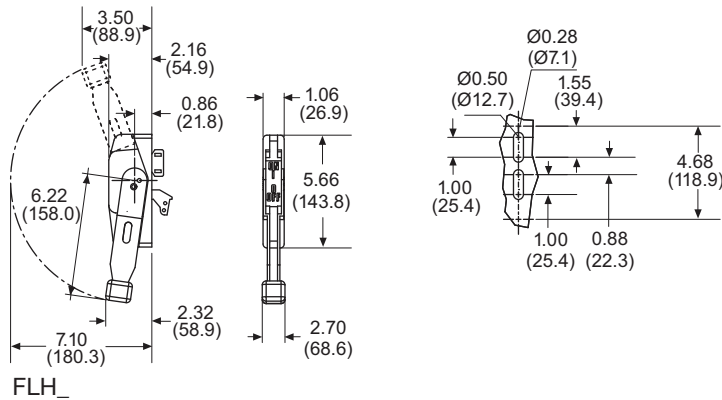


Disconnect switches

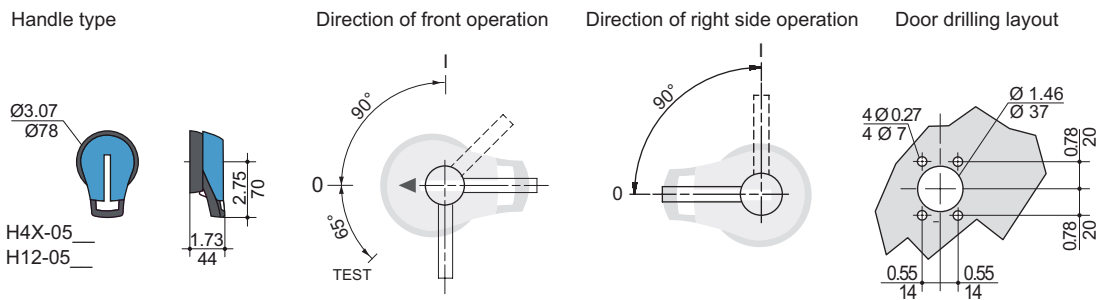
Direct mount handle



Flange handle






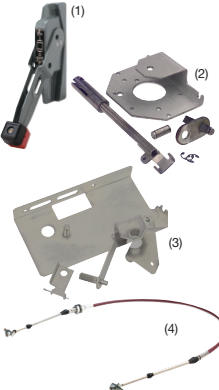


External front and right side pistol handle





Standard Class J

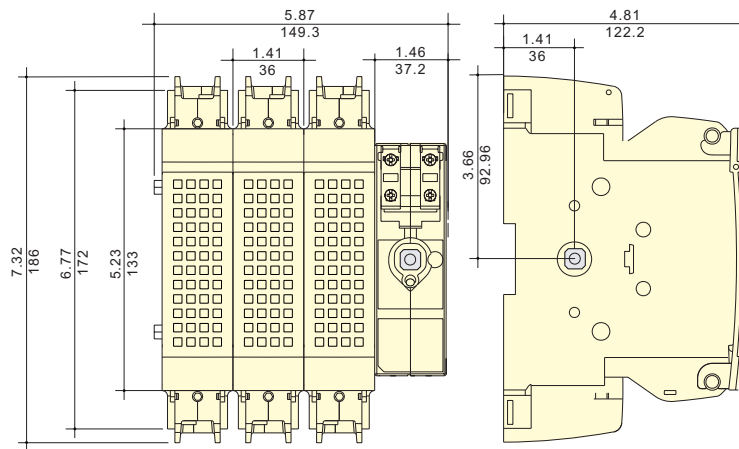
For a complete assembly, please select:

SWITCH	Switch													
	Amp rating	Fuse class	Number of poles	SCCR	Max horsepower rating						Wire size	Wire type	Part number	
					1-phase		3-phase			DC*				
					220/240Vac	220/240Vac	440/480Vac	600 Vac	125 Vdc	250 Vdc				
60	J	2	200kA	10	-	-	-	5	10	#12-10 Sol #12-1 Str	75°C Cu	RDF60J-2		
60	J	3	200kA	-	15	30	50	5	10	#12-10 Sol #12-1 Str	75°C Cu	RDF60J-3		
60	J	4	200kA	-	15	30	50	5	10	#12-10 Sol #12-1 Str	75°C Cu	RDF60J-4		
* DC ratings use two poles in series.														
+														
	Direct mount handle - mounts directly to switch, no shaft required													
	For switch Part number	Color		Test function		Padlockable					Part number			
All switches	Black		Y		Y					DIR-07				
or														
 or  +  + 	External front operated pistol handles - shaft required													
	NEMA type	Color		Test function		Padlockable		Defeatable		Part number				
	1, 3R, 12	Black		N		Y		Y		H12-03B				
	1, 3R, 12	Red/yellow		N		Y		Y		H12-03R				
	1, 3R, 4, 4X, 12	Black		N		Y		Y		H4X-06B				
	1, 3R, 4, 4X, 12	Red/yellow		N		Y		Y		H4X-06R				
	1, 3R, 4, 4X, 12	Black		Y		Y		Y		H4X-06TB				
	1, 3R, 4, 4X, 12	Red/yellow		Y		Y		Y		H4X-06TR				
	Metallic hasp (heavy duty) external front operated pistol handles - shaft required													
	NEMA type	Color		Test function		Padlockable		Defeatable		Part number				
	1, 3R, 4, 4X, 12	Black		N		Y		Y		H4X-06BHD				
	1, 3R, 4, 4X, 12	Red/yellow		N		Y		Y		H4X-06RHD				
	External right side operated pistol handles - shaft required													
	NEMA type	Color		Test function		Padlockable		Defeatable		Part number				
	1, 3R, 4, 4X, 12	Black		N		Y		N/A		H4X-06SB				
1, 3R, 4, 4X, 12	Red/yellow		N		Y		N/A		H4X-06SR					
Shafts for pistol handles														
Length in (mm)	Mounting depth (X) in (mm)										Part Number			
7.9 (200)	5.30~9.06 (135~230)										SH5-200			
12.6 (320)	5.30~13.78 (135~350)										SH5-320			
15.7 (400)	5.30~16.93 (135~430)										SH5-400			
or														
	Flange handle⁽¹⁾ - requires shaft operated mechanism or cable operated mechanism + cable													
	NEMA type	Flange style		Test Function		Padlockable		Defeatable		Part number				
	1, 3R, 4, 12	Standard		N		Y		Y		FLH1				
	1, 3R, 4, 4X, 12	Chrome Plated		N		Y		Y		FLH2				
	Shaft operated flange mechanism⁽²⁾ - includes shaft													
	For enclosure depth in (mm)											Part number		
	6~24 (152~613)											FLRM		
	Cable operated flange mechanism and cable - must select mechanism ⁽³⁾ <i>and</i> cable ⁽⁴⁾													
	Item / length											Part number		
	Cable mechanism											FLCM		
36" (900mm) cable											FLC36			
60" (1500mm) cable											FLC60			
120" (3000mm) cable											FLC120			

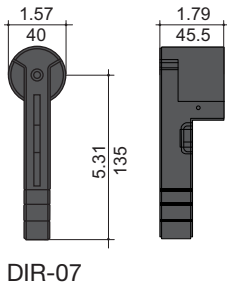
Standard Class J

Select		NFPA through the door handle kit - to be used with front pistol handle				
NFPA handle		Color	Test function	Padlockable	Defeatable	Part number
		Red	N	Y	N	H79-2
Acc.		Auxiliary contacts				
Aux contacts		Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch
		NO	1	10A	600Vac	4
		NC	1	10A	600Vac	4

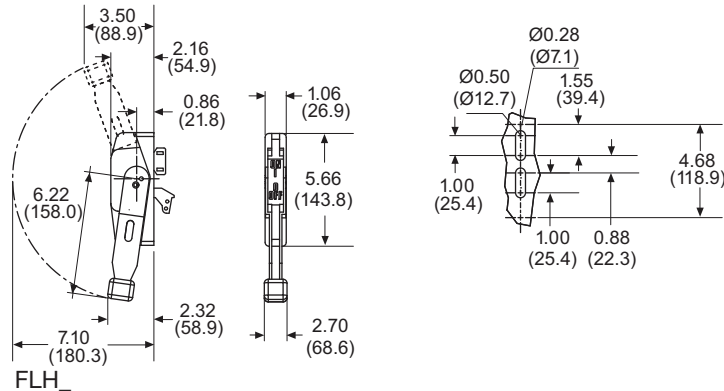
Dimensions – in (mm)



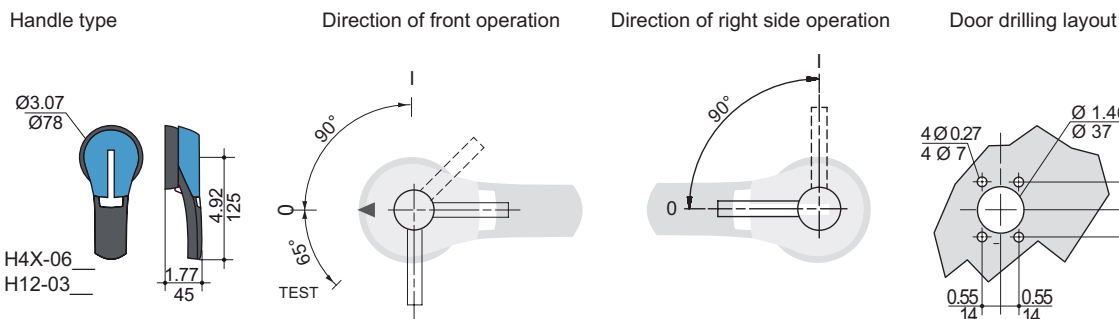
Direct mount handle



Flange handle







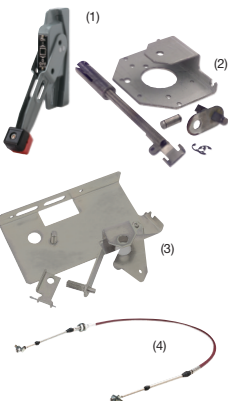
External front and right side pistol handle





Disconnect switches

Standard Class J

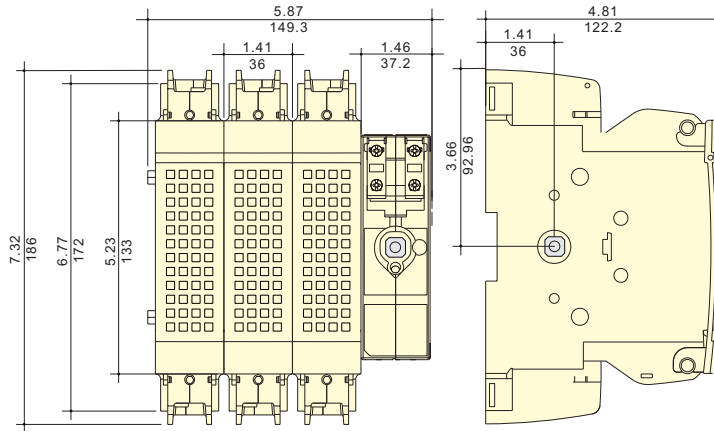
For a complete assembly, please select:

Switch		Switch												
		Amp rating	Fuse class	Number of Poles	SCCR	Max horsepower rating						Wire size	Wire type	Part number
					1-phase 220/240Vac	3-phase		DC*						
						220/240Vac	440/480Vac	600 Vac	125 Vdc	250 Vdc				
		100	J	2	200kA	10	-	-	7.5	20	#12-10 Sol #12-1 Str	75°C Cu	RDF100J-2	
		100	J	3	200kA	-	30	60	75	7.5	20	#12-10 Sol #12-1 Str	75°C Cu	RDF100J-3
		100	J	4	200kA	-	30	60	75	7.5	20	#12-10 Sol #12-1 Str	75°C Cu	RDF100J-4
		* DC ratings use two poles in series.												
		+												
	Handle		Direct mount handle - mounts directly to switch, no shaft required											
		For switch part number	Color	Test function	Padlockable							Part number		
		All switches	Black	Y	Y							DIR-07		
		OR												
		External front operated pistol handles - shaft required												
		NEMA type	Color	Test function	Padlockable	Defeatable	Part number							
		1, 3R, 12	Black	N	Y	Y	H12-03B							
		1, 3R, 12	Red/yellow	N	Y	Y	H12-03R							
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06B							
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-06R							
	1, 3R, 4, 4X, 12	Black	Y	Y	Y	H4X-06TB								
	1, 3R, 4, 4X, 12	Red/yellow	Y	Y	Y	H4X-06TR								
or		Metallic hasp (heavy duty) external front operated pistol handles - shaft required												
	NEMA type	Color	Test function	Padlockable	Defeatable	Part number								
	1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06BHD								
	1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-06RHD								
	External right side operated pistol handles - shaft required													
	NEMA type	Color	Test function	Padlockable	Defeatable	Part number								
	1, 3R, 4, 4X, 12	Black	N	Y	N/A	H4X-06SB								
	1, 3R, 4, 4X, 12	Red/yellow	N	Y	N/A	H4X-06SR								
	Shafts for pistol handles													
	Length in (mm)	Mounting depth (X) in (mm)								Part number				
	7.9 (200)	5.30~9.06 (135~230)								SH5-200				
	12.6 (320)	5.30~13.78 (135~350)								SH5-320				
	15.7 (400)	5.30~16.93 (135~430)								SH5-400				
	OR													
	Flange handle⁽¹⁾ - requires shaft operated mechanism or cable operated mechanism + cable													
	NEMA type	Flange style	Test function	Padlockable	Defeatable	Part number								
	1, 3R, 4, 12	Standard	N	Y	Y	FLH1								
	1, 3R, 4, 4X, 12	Chrome plated	N	Y	Y	FLH2								
	Shaft operated flange mechanism⁽²⁾ - includes shaft													
	For enclosure depth in (mm)										Part number			
	6~24 (152~613)										FLRM			
	Cable operated flange mechanism and cable - must select mechanism⁽³⁾ and cable⁽⁴⁾													
	Item / length										Part number			
	Cable mechanism										FLCM			
	36" (900mm) cable										FLC36			
	60" (1500mm) cable										FLC60			
	120" (3000mm) cable										FLC120			

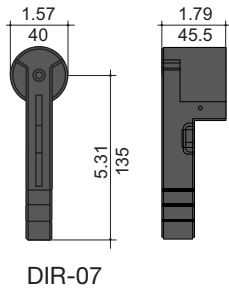
Standard Class J

		or					
Select	NFPA handle 	NFPA through the door handle kit - to be used with front pistol handle					
		Color	Test function	Padlockable	Defeatable	Part number	
		Red	N	Y	N	H79-2	
and ...							
Acc.	Aux contacts 	Auxiliary contacts					
		Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch	Part number
		NO	1	10A	600Vac	4	BAC05
		NC	1	10A	600Vac	4	BAC06

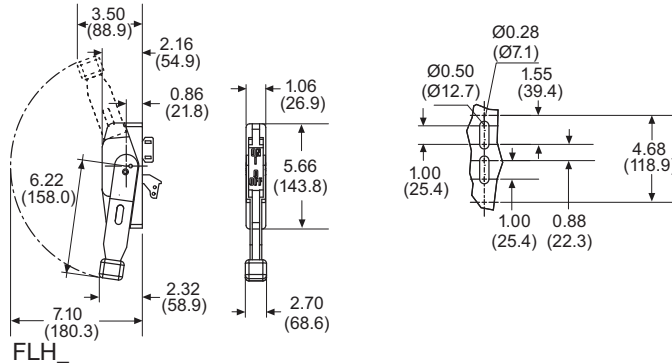
Dimensions – in (mm)



Direct mount handle

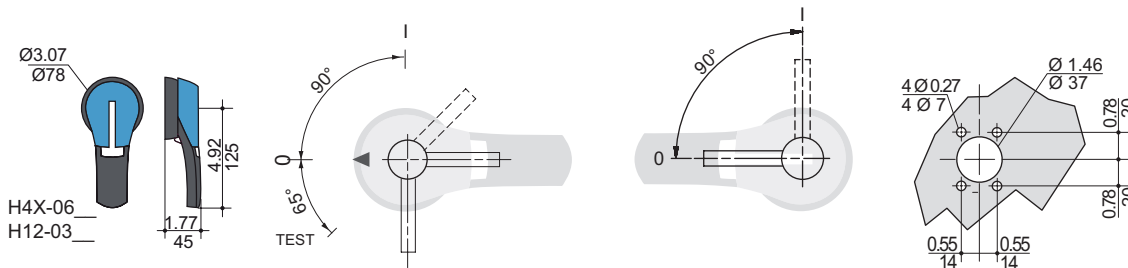


Flange handle



External front and right side pistol handle

Handle type Direction of front operation Direction of right side operation Door drilling layout



Disconnect switches

Standard Class J

For a complete assembly, please select:

SWITCH + LUGS		Switch										
		Amp rating	Fuse class	Number of poles	SCCR	Max horsepower rating				DC*		Part number
						1-phase 220/240Vac	220/240Vac	3-phase 440/480Vac	600 Vac	125 Vdc	250 Vdc	
		200	J	2	200kA	10	-	-	-	-	-	RDF200J-2
		200	J	3	200kA	-	60	125	150	-	-	RDF200J-3
		200	J	4	200kA	-	60	125	150	-	-	RDF200J-4
		400	J	2	200kA	10	-	-	-	20	50	RDF400J-2
		400	J	3	200kA	-	125	250	350	20	50	RDF400J-3
		400	J	4	200kA	-	125	250	350	20	50	RDF400J-4
		* DC ratings use two poles in series.										
SELECT FOR STANDARD APPLICATIONS		Terminal lug kit										
		Switch amp rating	Number of poles	Lugs Per kit	Wire range				Wire type	Part number		
		200	2	2	#6-300MCM				75°C Cu/Al	LUG1-2		
		200	3	3	#6-300MCM				75°C Cu/Al	LUG1-3		
		200	4	4	#6-300MCM				75°C Cu/Al	LUG1-4		
		400	2	2	#4-600MCM or Dual 1/0-250MCM				75°C Cu/Al	LUG2-2		
		400	3	3	#4-600MCM or Dual 1/0-250MCM				75°C Cu/Al	LUG2-3		
		400	4	4	#4-600MCM or Dual 1/0-250MCM				75°C Cu/Al	LUG2-4		
		+										
		HANDLE		Direct mount handle - mounts directly to switch, no shaft required								
For switch Part number	Color			Test function	Padlockable					Part number		
		All switches	Black	Y	Y					DIR-07		
or												
HANDLE		External front operated pistol handles - shaft required										
		NEMA type	Color	Test function	Padlockable	Defeatable	Part number					
		1, 3R, 12	Black	N	Y	Y	H12-03B					
		1, 3R, 12	Red/yellow	N	Y	Y	H12-03R					
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06B					
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-06R					
		1, 3R, 4, 4X, 12	Black	Y	Y	Y	H4X-06TB					
		1, 3R, 4, 4X, 12	Red/yellow	Y	Y	Y	H4X-06TR					
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required										
		NEMA type	Color	Test function	Padlockable	Defeatable	Part number					
1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06BHD							
1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-06RHD							
External right side operated pistol handles - shaft required												
NEMA type	Color	Test function	Padlockable	Defeatable	Part number							
1, 3R, 4, 4X, 12	Black	N	Y	N/A	H4X-06SB							
1, 3R, 4, 4X, 12	Red/yellow	N	Y	N/A	H4X-06SR							
Shafts for pistol handles												
Length in (mm)	Mounting depth (X) in (mm)						Part number					
7.9 (200)	200A: 5.70-9.06 (145-230) 400A: 7.87-10.24 (200-260)						SH5-200					
12.6 (320)	200A: 5.70-13.78 (145-350) 400A: 7.87-16.93 (200-380)						SH5-320					
15.7 (400)	200A: 5.70-16.93 (145-430) 400A: 7.87-18.10 (200-460)						SH5-400					

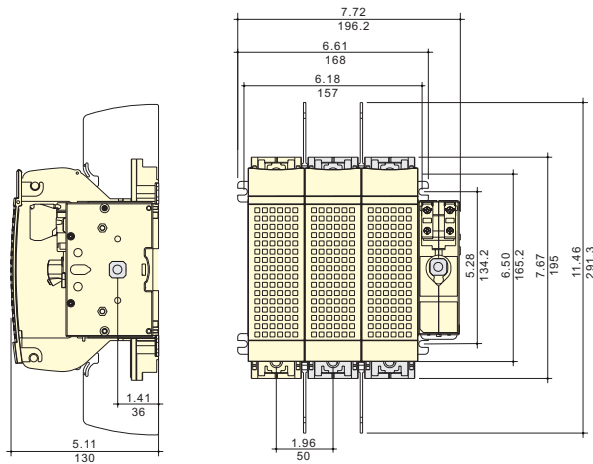
Standard Class J

Select for standard applications		OR					
		Flange handle⁽¹⁾ 200A only - requires shaft operated mechanism <i>or</i> cable operated mechanism + cable					
		NEMA type	Flange style	Test function	Padlockable	Defeatable	Part number
		1, 3R, 4, 12	Standard	N	Y	Y	FLH1
		1, 3R, 4, 4X, 12	Chrome plated	N	Y	Y	FLH2
		Shaft operated flange mechanism⁽²⁾ 200A only - includes shaft					
		For enclosure depth in (mm)					Part number
		6-24 (152-613)					FLRM
		Cable operated flange mechanism and cable 200A only - must select Mechanism ⁽³⁾ <i>and</i> Cable ⁽⁴⁾					
		Item					Part number
Cable mechanism					FLCM		
36" (900mm) cable					FLC36		
60" (1500mm) cable					FLC60		
120" (3000mm) cable					FLC120		
Accessories		OR					
		NFPA through the door handle kit - to be used with front pistol handle					
		Use with switch	Color	Test function	Padlockable	Defeatable	Part number
		RDF200J-__	Red	N	Y	N	H79-2
RDF400J-__	Red	N	Y	N	H79-3		
and ...							
Accessories		Auxiliary contacts					
		Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch part number	Part number
		NO	1	10A	600Vac	RDF200J-__: 4	BAC05
		NC	1	10A	600Vac	RDF400J-__: 8	BAC06
and ...							
Accessories		Terminal shrouds - includes terminal shroud for Lineside or loadside					
		Switch Amp rating	Number of poles				Part number
		200	2				TSH8-2TB
		200	3				TSH8-3TB
		200	4				TSH8-4TB
		400	2				TSH9-2TB
		400	3				TSH9-3TB
400	4				TSH9-4TB		

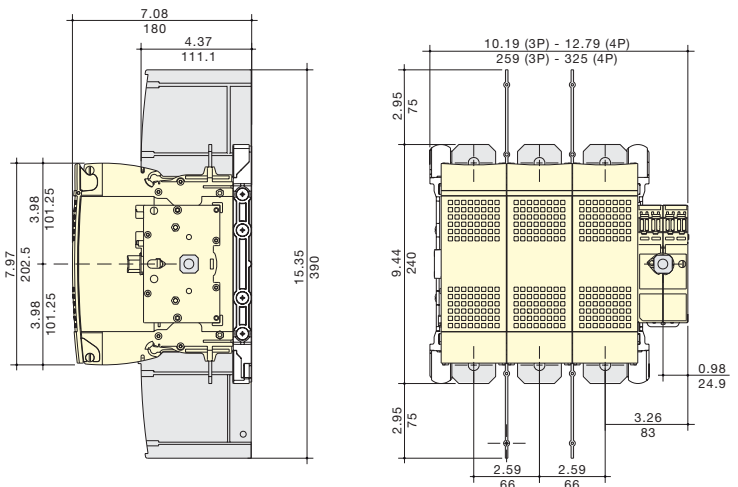
Disconnect switches

Dimensions – in (mm)

- RDF200J-3

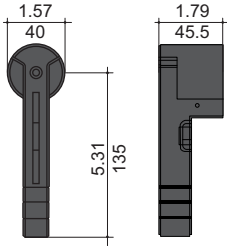


- RDF400J-3



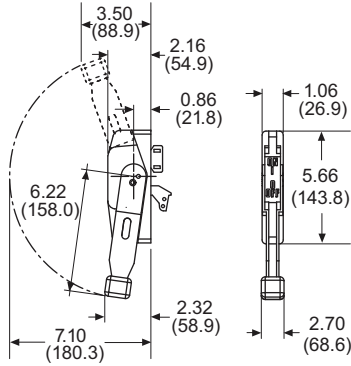
Standard Class J

Direct mount handle

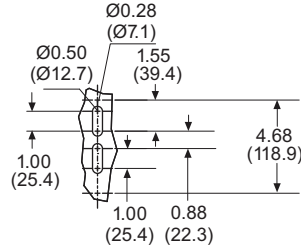


DIR-07

Flange handle



FLH_



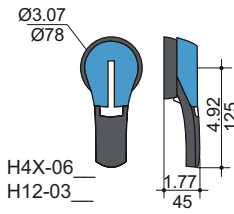
External front and right side pistol handle

Handle type

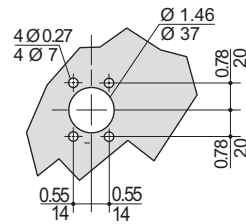
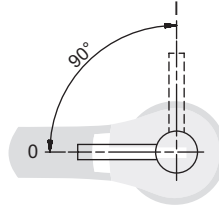
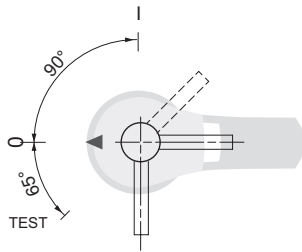
Direction of front operation

Direction of right side operation

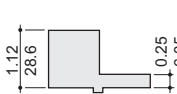
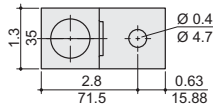
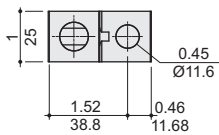
Door drilling layout



H4X-06
H12-03

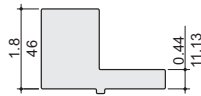


Terminal lugs



200A

LUG1-__

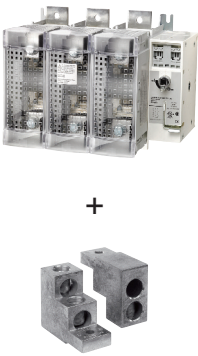





400A

LUG2-__

Standard Class J

For a complete assembly, please select:

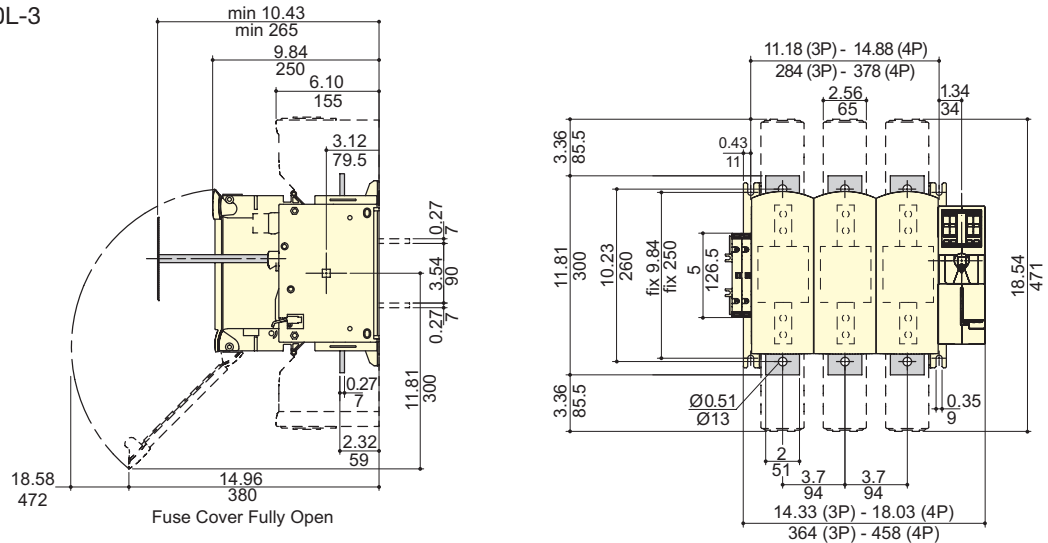
Select for standard applications	Switch + lugs		Switch							
			Amp rating	Fuse class	Number of poles	SCCR	Max horsepower rating, 3-phase			Part number
							220/240Vac	440/480Vac	600Vac	
			600	J	2	200kA	-	-	-	RDF600J-2
			600	J	3	200kA	200	400	500	RDF600J-3
			600	J	4	200kA	200	400	500	RDF600J-4
			800	L	2	200kA	-	-	-	RDF800L-2
			800	L	3	200kA	200	500	500	RDF800L-3
			800	L	4	200kA	200	500	500	RDF800L-4
			Terminal lug kit							
Switch amp rating	Number of poles	Lugs per kit	Wire range			Wire type	Part number			
600-800	2	2	(2) #2-600MCM			75°C Cu/Al	LUG5-2			
600-800	3	3	(2) #2-600MCM			75°C Cu/Al	LUG5-3			
600-800	4	4	(2) #2-600MCM			75°C Cu/Al	LUG5-4			
Handle		Direct mount handle - mounts directly to switch, no shaft required								
		For switch part number	Color	Test function	Padlockable			Part number		
		All switches	Black	Y	Y			DIR-08		
		or								
		External front operated pistol handles - shaft required								
		NEMA type	Color	Test function	Padlockable	Defeatable			Part number	
		1, 3R, 4, 4X, 12	Black	N	Y	Y			H4X-07B	
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y			H4X-07R	
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required								
		NEMA type	Color	Test function	Padlockable	Defeatable			Part number	
1, 3R, 4, 4X, 12	Black	N	Y	Y			H4X-07BHD			
1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y			H4X-07RHD			
Shafts for pistol handles										
Length in (mm)	Mounting depth (X) in (mm)					Part number				
7.9 (200)	10.63~11.97 (270~304)					SH7-200				
12.6 (320)	10.63~16.69 (270~424)					SH7-320				
15.7 (400)	10.63~19.84 (270~504)					SH7-400				
or										
Accessories	Aux contacts		NFPA through the door handle kit - to be used with front pistol handle							
			For switch part number	Color	Test function	Padlockable	Defeatable	Part number		
			All switches	Red	N	Y	N	H79-4		
			and ...							
			Auxiliary contacts							
			Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch		Part number	
			NO	1	10A	600Vac	8		BAC05	
			NC	1	10A	600Vac	8		BAC06	
			and ...							
			Shrouds		Terminal shrouds - includes terminal shroud for Lineside or loadside					
Switch amp rating	Number of poles					Part number				
600-800	2					TSH10-2TB				
600-800	3					TSH10-3TB				
600-800	4					TSH10-4TB				

Disconnect switches

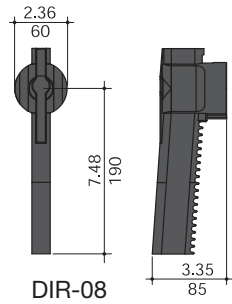
Standard Class J and Class L

Dimensions – in (mm)

- RDF600J-3 • RDF800L-3

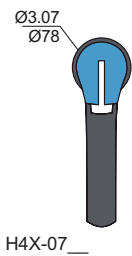


Direct mount handle

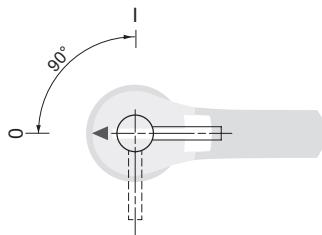


External front pistol handle

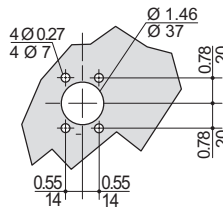
Handle type



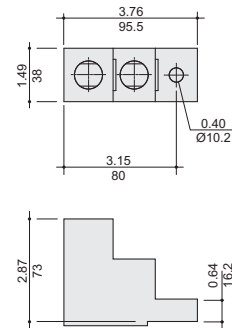
Direction of front operation



Door drilling layout



Terminal lugs



600 to 800A

LUG5-__

Description

Eaton UL 98 non-fused rotary disconnect switches are versatile switches that “break” and “make” power circuits ON and OFF load.

Features

- Make and break power under load
- Up to 200kA SCCR
- Panel mount (30-100A compact DIN-Rail or panel mount)
- Disconnect switches are front, right side and direct handle operable (30-100A)
- Finger-safe (30-100A compact only)
- Fully visualized breaking (100-1200A)

Agency information

- UL98, Guide WHTY, File E155130
- CSA 22.2 No. 4, File 257020
- Conforms with IEC 60947-3

Online resources

Visit www.cooperbussmann.com/Disconnects for:

- CAD drawings
- Instruction sheets
- UL information



QuikShip
Everyday

QuikShip Everyday Service ships the most common part numbers within 24 hours. Contact your Eaton representative for details.

Related Bussmann series products

Fuse blocks	Data Sheet #
Modular knifeblade fuse blocks 100-600A	3192
Class J power distribution fuse blocks 100-400A	10192
Fuses holders	
CH Class CC, midget and 10x38 0-30A	3185
Finger-safe Optima holders 0-30A	1102
Optima™ protection modules 0-30A	1109
CH Class J 0-60A	2144

Disconnect switches

IEC electrical specifications



Part number	RD30-3	RD60-3	RD100-3	RD100-3-SCCR	RD200-3	RD400-3	RD600-3	RD800-3	RD1000-3	RD1200-3
3-pole	RD30-3	RD60-3	RD100-3	RD100-3-SCCR	RD200-3	RD400-3	RD600-3	RD800-3	RD1000-3	RD1200-3
4-pole	—	—	—	—	RD200-4	RD400-4	RD600-4	RD800-4	RD1000-4	RD1200-4
Thermal current I_m @ 40°C (A)	30	60	100	100	200	400	—	—	—	—
Rated insulation voltage U_i (V)	800	800	800	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)	8	8	8	8	8	8	12	12	12	12
Rated operation currents I_n (A)										
Rated voltage	A ⁽¹⁾		A ⁽¹⁾		A ⁽¹⁾		A ⁽¹⁾		A ⁽¹⁾	
Load duty category	A ⁽¹⁾		A ⁽¹⁾		A ⁽¹⁾		A ⁽¹⁾		A ⁽¹⁾	
400Vac AC-22 A	32	63	100	100	200	400	630	800	1000	1200
400Vac AC-23 A	32	63	100	100	200	400	630	800	1000	1000
690Vac AC-22 A	32	63	80	100	200	400	500	630	630	630
690Vac AC-23 A	32	63	63	100	200	315	200	400	400	400
Operational power (Vac) in AC-23 (kW)										
400V w/o prebreak AC ⁽¹⁾⁽²⁾	15	30	45	51	100	220	355	450	560	560
500V w/o prebreak AC ⁽¹⁾⁽²⁾	15	30	45	63	140	280	450	560	560	560
690V w/o prebreak AC ⁽¹⁾⁽²⁾	18.5	30	45	90	185	185	185	400	400	400
Overload capacity (U_n 415Vac)										
Rated short-circuit making capacity I_{cm} (kA peak) ⁽³⁾	12	12	12	17.6	32	48	48	75	48	75
Fuse protected short-circuit withstand (kA rms prospective)										
Short-circuit current (kA) ⁽³⁾	50	50	25	200	200	200	100	100	100	100
Associated fuse rating (A) ⁽³⁾	32	63	100	100	200	400	630	800	1000	1250
Connection										
Minimum Cu cable cross section (mm ²)	2.5	2.5	10	35	70	185	2x150	2x185	2x240	—
Minimum Cu busbar section (mm ²)	—	—	—	—	—	—	2x30x5	2x40x5	2x50x5	2x60x5
Maximum Cu cable section (mm ²)	70	70	70	300	300	600	—	—	—	—

(1) A/B: Category with index A = frequent operation; category with index B = infrequent operation.
 (2) The power value is given for information only; the current values vary from one manufacturer to another.
 (3) For a rated operating voltage, $U_n = 400$ Vac.

UL electrical specifications



RD30-3



RD200-3







RD600-3



Part number	RD30-3	RD60-3	RD100-3	RD100-3-SCCR	RD200-3 RD200-4	RD400-3 RD400-4	RD600-3 RD600-4	RD800-3 RD800-4	RD1000-3 RD1000-4	RD1200-3 RD1200-4
UL standard	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98
Max ampacity	30A	60A	100A	100A	200A	400A	600A	800A	1000A	1200A
Switch type	Compact	Compact	Compact	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Handle operation	Front/Side	Front/Side	Front/Side	Front	Front	Front	Front	Front	Front	Front
UL electrical ratings										
Max voltage (AC)	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac	600Vac
Max voltage (DC)	—	—	—	250Vdc	250Vdc	—	250Vdc	—	—	—
Maximum AC horsepower ratings										
1-phase, 120Vac	2	3	5	—	—	—	—	—	—	—
1-phase, 240Vac	5	10	10	10	10	—	—	—	—	—
3-phase, 240Vac	10	20	20	30	75	125	200	200	200	200
3-phase, 480Vac	20	40	50	75	150	250	400	500	500	500
3-phase, 600Vac	25	50	50	100	200	350	350	500	500	500
DC horsepower ratings										
125Vdc	—	—	—	—	—	—	20	—	—	—
250Vdc	—	—	—	—	—	—	50	—	—	—
Electrical characteristics										
SCCR with fuse	100kA	100kA	25kA/100kA*	200kA	200kA	200kA	200kA	100kA	100kA	100kA
Fuse class	J	J	J	J	J	J	J	L	L	L
Max. fuse rating	30A	60A	100A	100A	200A	400A	600A	800A	1000A	1200A
Terminal lugs/kits	Integral	Integral	Integral	•	•	•	•	•	•	•
Lug mounting torque - Lb-In (N•m)	-	-	-	160 (18)	160 (18)	LUG2- 310 (35) LUG3- 398 (45)	310 (35)	310 (35)	310 (35)	310 (35)
Wire type	75°C Cu	75°C Cu	75°C Cu	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al	75°C Cu/Al
Wire range and Torque - Lb-In (N•m)										
Solid	#12-10 35.4 (4)	#12-10 35.4 (4)	#12-10 35.4 (4)	—	—	—	—	—	—	—
Stranded	#10-1 35.4 (4) 1/0 39.8 (4.5) 2/0 44.3 (5)	#10-1 35.4 (4) 1/0 39.8 (4.5) 2/0 44.3 (5)	#10-1 35.4 (4) 1/0 39.8 (4.5) 2/0 44.3 (5)	#6-300MCM 275 (31)	#6-300MCM 275 (31)	LUG2- #4-600MCM 550 (62) Dual 1/0-250MCM 550 (62) LUG3- (2) #6-2 200 (22.6) (2) #1-350MCM 375 (42.4)	(2) #2-600MCM 375 (42.4)	(4) #2-600MCM 375 (42.4)	(4) #2-600MCM 375 (42.4)	(4) #2-600MCM 375 (42.4)
Mechanical characteristics										
Endurances/Cycles	10,000	10,000	10,000	10,000	8000	6000	6000	3500	3500	3500
Physical characteristics										
Dimensions	See drawings on product pages									
Weight - Lbs (KG)										
3-pole	1.3 (0.6)	1.3 (0.6)	1.3 (0.6)	4.2 (1.91)	4.2 (1.91)	10.0 (4.6)	18.1 (8.2)	19.6 (8.9)	19.6 (8.9)	19.6 (8.9)
4-pole	—	—	—	—	5.0 (2.3)	12.3 (5.6)	23.9 (10.9)	25.3 (11.5)	25.3 (11.5)	25.3 (11.5)
Environmental										
Operating Temperature	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
Flammability Rating	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0
Accessories										
Lug Kit Part #										
3-pole	Integral	Integral	Integral	•	•	•	•	•	•	•
4-pole	—	—	—	—	—	—	—	—	—	—
Handles										
NEMA 1, 3R, 12	•	•	•	•	•	•	•	•	•	•
NEMA 1, 3R, 4, 4X, 12	•	•	•	•	•	•	•	•	•	•
Direct	•	•	•	•	•	•	•	•	•	•
Front Pistol	•	•	•	•	•	•	•	•	•	•
Front or Side Selector	•	•	•	—	—	—	—	—	—	—
Shaft c/s - mm	5x5	5x5	5x5	10x10	10x10	10x10	12x12	12x12	12x12	12x12
Shaft Guide	•	•	•	•	•	•	•	•	•	•
Shrouds	•	•	•	•	•	•	•	•	•	•
Additional Pole Accessory	•	•	•	—	—	—	—	—	—	—
Auxiliary contacts										
NO + NC	•	•	•	•	•	•	•	•	•	•
(2) NO	•	•	•	—	—	—	—	—	—	—

• Available, see product page for details and Part numbers.
 — Not available.
 * 25kA @ 600Vac, 100kA @ 480Vac.

For a complete assembly, please select:

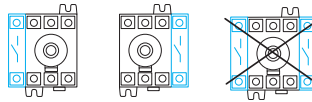
Switch		Switch										
		Switch amp rating	No. of poles	SCCR	Max horsepower rating					Wire size	Wire type	Part number
				1-phase		3-phase						
				120 Vac	220/240Vac	220/240Vac	440/480Vac	600 Vac				
				2	5	10	20	25	#10-2/0 Str #12-10 Sol	75°C Cu	RD30-3	
				3	10	20	40	50	#10-2/0 Str #12-10 Sol	75°C Cu	RD60-3	
				5	10	20	50	50	#10-2/0 Str #12-10 Sol	75°C Cu	RD100-3	
				* 100kA @480Vac, 25kA @ 600Vac.								
+												
Handles		Direct mount handle - mounts directly to switch, no shaft required										
		For switch part number	Color		Test function	Padlockable		Part number				
		All switches	Black		N	Y - On Switch		DIR-02				
OR												
Select for standard applications		External front or right side operated selector handles - shaft required										
		NEMA type	Color	Handle length	Test function	Padlockable		Part number				
		1, 3R, 4, 4X, 12	Black	Short	N	Y	H4X-01B ⁽¹⁾					
		1, 3R, 4, 4X, 12	Red/yellow	Short	N	Y	H4X-01R ⁽¹⁾					
		1, 3R, 4, 4X, 12	Black	Long	N	Y	H4X-02B ⁽²⁾					
		1, 3R, 4, 4X, 12	Red/yellow	Long	N	Y	H4X-02R ⁽²⁾					
		External front operated pistol handles - shaft required										
		NEMA type	Color	Handle length	Test function	Padlockable	Defeatable	Part number				
		1, 3R, 4, 4X, 12	Black	—	N	Y	Y	H4X-03B				
		1, 3R, 4, 4X, 12	Red/yellow	—	N	Y	Y	H4X-03R				
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required										
		NEMA type	Color	Handle length	Test function	Padlockable	Defeatable	Part number				
		1, 3R, 4, 4X, 12	Black	—	N	Y	Y	H4X-03BHD				
		1, 3R, 4, 4X, 12	Red/yellow	—	N	Y	Y	H4X-03RHD				
		Shafts for selector handles										
		Length in (mm)	Mounting depth (X) in (mm)					Part number				
		5.9 (150)	3.50~7.60 (89~193)					SH4-150 ⁽¹⁾				
		7.9 (200)	3.50~9.50 (89~241)					SH4-200 ⁽¹⁾				
		12.6 (320)	3.50~14.9 (89~378)					SH4-320 ⁽¹⁾				
		Shafts for pistol handles										
		Length in (mm)	Mounting depth (X) in (mm)					Part number				
		7.9 (200)	3.30~7.40 (84~188)					SH3-200 ⁽²⁾				
		12.6 (320)	3.30~9.30 (84~236)					SH3-320 ⁽²⁾				
		15.7 (400)	3.30~14.7 (84~373)					SH3-400 ⁽²⁾				
		Shaft guide for selector handles										
		Required for 12.6" (320mm) long shafts, optional for other lengths								Part number		
										SH-GUIDE1		
		Shaft guide for pistol handles										
		Required for 15.7" (400mm) long shafts, optional for other lengths								Part number		
										SH-GUIDE2		
and ...												
Acc's		Auxiliary contacts										
		Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of Units per switch	Part number					
		NO + NC	1 of each	10A	240Vac	2 (1 per side/4 contacts total)	BAC01					
		NO	2	10A	240Vac	2 (1 per side/4 contacts total)	BAC02					

Disconnect switches

and ...						
Accessories	Shrouds		Terminal shrouds - includes terminal shroud for both lineside and loadside			
			Switch amp rating	Number of poles	Location on switch	Part number
		All switches	1 (For switched 4 th pole)		Lineside and loadside	TSH3-1TB
		All switches	3		Lineside and loadside	TSH3-3TB
and ...						
Accessories	Sw. 4 th pole		Switched 4th Pole - converts 3-pole switch to 4-pole			
			Switch amp rating	Part number		
		30	POLE98-30			
		60	POLE98-60			
		100	POLE98-100			



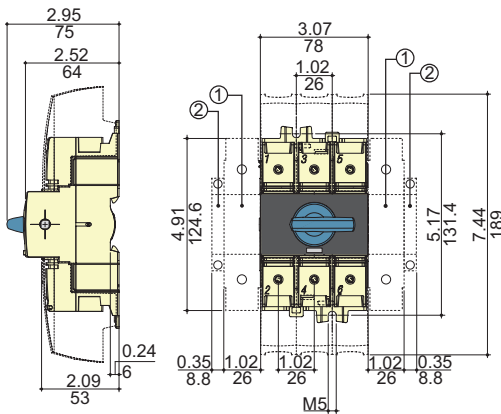
Auxiliary contact configurations



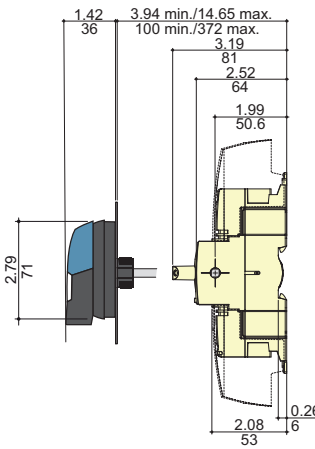
Possible 4th pole configurations

Dimensions - in (mm)

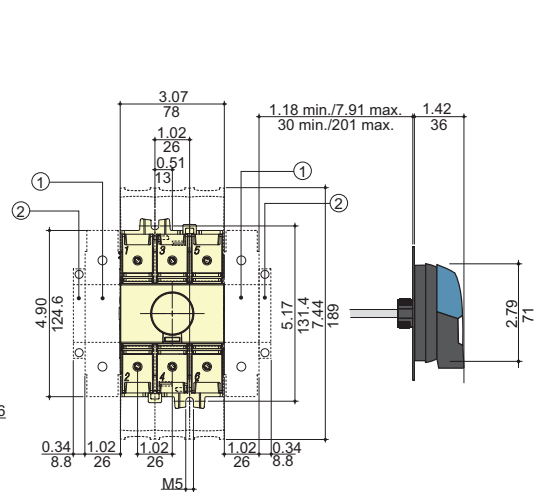
Direct handle operation



External front operation



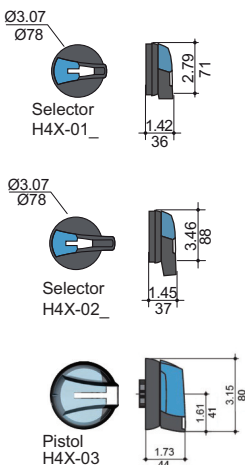
External right side operation



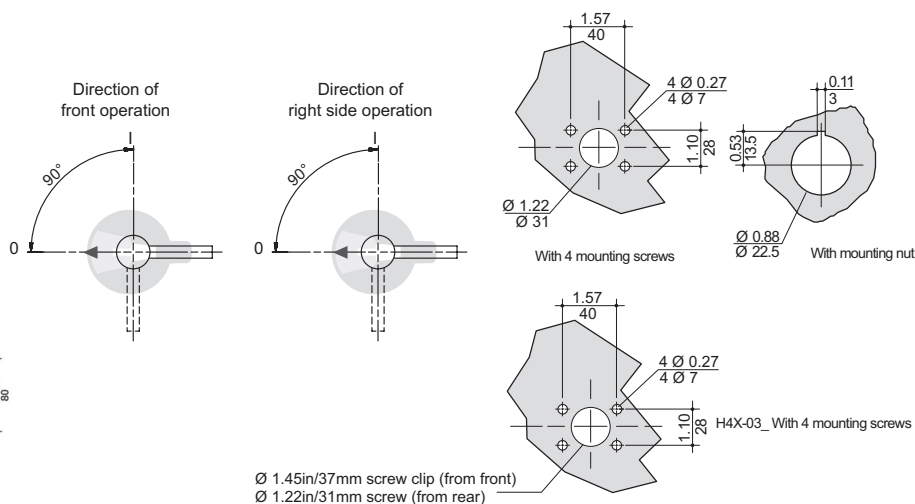
1. Position for 1 switched 4th pole (1 per device max.) or 1 auxiliary contact.
 2. Position for 1 auxiliary contact only.
- Note: Maximum of 4 Auxiliary contacts, or 3 Auxiliary contacts + one switched 4th pole.

External front/right side operated selector handle, front operated pistol handle

Handle type

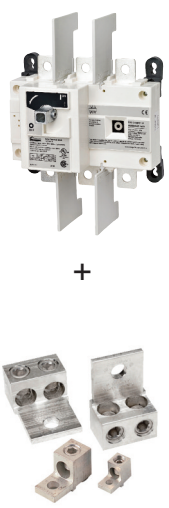







Door drilling layouts



UL 98 non-fused rotary disconnect switches—100, 200 and compact 400A

For a complete assembly, please select:

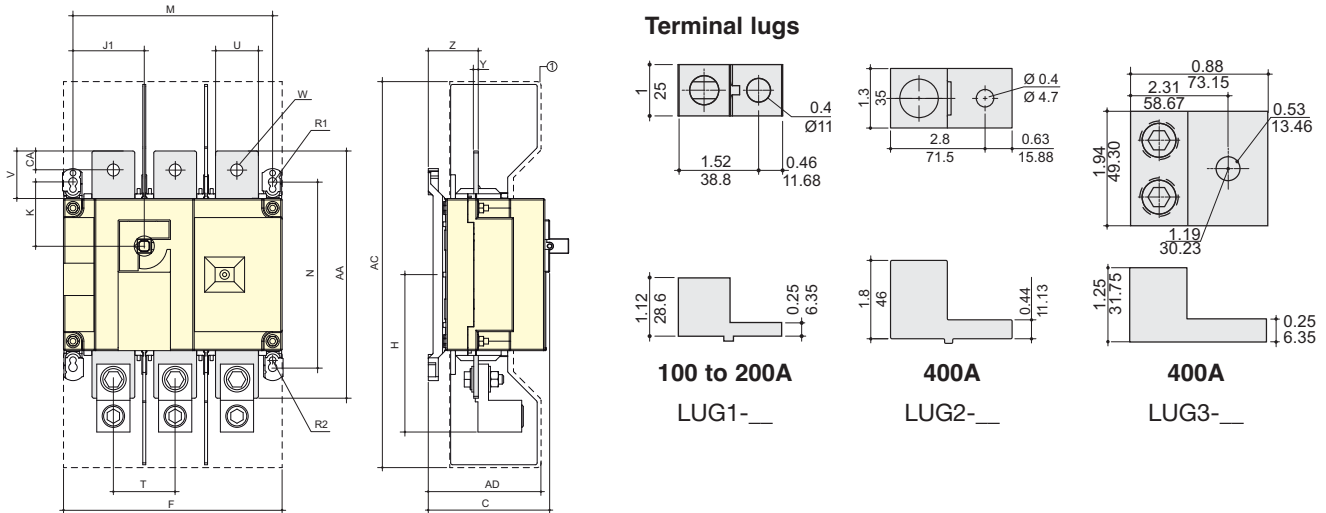
Select for standard applications	 <p>Switch + lugs</p>	Switch							
		Switch amp rating	No. of poles	SCCR	Max horsepower rating			Part number	
					1-phase	220/	3-phase		
					240Vac	240Vac	440/	600	
							480Vac	Vac	
		100	3	200kA	10	30	75	100	RD100-3-SCCR
		200	3	200kA	10	75	150	200	RD200-3
		200	4	200kA	10	75	150	200	RD200-4
		400	3	200kA	-	125	250	350	RD400-3
		400	4	200kA	-	125	250	350	RD400-4
 <p>Terminal lug kit</p>	Switch amp rating	No. of poles	Lugs per kit	Wire range		Wire type	Part number		
	100-200	2	2	#6-300MCM		75°C Cu/Al	LUG1-2		
	100-200	3	3	#6-300MCM		75°C Cu/Al	LUG1-3		
	100-200	4	4	#6-300MCM		75°C Cu/Al	LUG1-4		
	400	2	2	#4-600MCM or Dual 1/0-250MCM		75°C Cu/Al	LUG2-2		
	400	3	3	#4-600MCM or Dual 1/0-250MCM		75°C Cu/Al	LUG2-3		
	400	4	4	#4-600MCM or Dual 1/0-250MCM		75°C Cu/Al	LUG2-4		
	400	2	2	(2) #6-350MCM		75°C Cu/Al	LUG3-2		
	400	3	3	(2) #6-350MCM		75°C Cu/Al	LUG3-3		
	400	4	4	(2) #6-350MCM		75°C Cu/Al	LUG3-4		
 <p>Direct mount handle - mounts directly to switch, no shaft required</p>	For switch part number	Color	Test function	Padlockable			Part number		
	All switches	Black	N	Y			DIR-03		
 <p>External front operated pistol handles - shaft required</p>	NEMA type	Color	Test function	Padlockable	Defeatable	Part number			
	1, 3R, 12	Black	N	Y	Y	H12-03B			
	1, 3R, 12	Red/yellow	N	Y	Y	H12-03R			
	1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06B			
	1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-06R			
	Metallic hasp (heavy duty) external front operated pistol handles - shaft required								
	NEMA type	Color	Test function	Padlockable	Defeatable	Part number			
	1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06BHD			
	1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-06RHD			
	Shafts for pistol handles								
Length in (mm)	Mounting depth (X) in (mm)						Part number		
7.9 (200)	5.31~10.43 (135~265)						SH5-200		
12.6 (320)	5.31~15.16 (135~385)						SH5-320		
15.7 (400)	5.31~18.31 (135~465)						SH5-400		
Shaft Guide							Part Number		
Required for 15.7" (400mm) long shafts, optional for other lengths							SH-GUIDE2		
 <p>Auxiliary contacts</p>	Auxiliary contacts								
	Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch	Part number			
	NO + NC	1 of each	10.1A	125-250Vac	2	BAC03*			
	NO + NC	1 of each	10.1A	125-250Vac	2	BAC04*			
	NO + NC	1 of each	1A	125Vac	2	BAC11*			
	NO + NC	1 of each	1A	125Vac	2	BAC12*			
* For one auxiliary contact, install either BAC03 or BAC11. For two auxiliary contacts, install BAC03 + BAC04, or BAC11 + BAC12.									

Disconnect switches

and ...

Accessories	Terminal shrouds - includes terminal shroud for Lineside or loadside	Switch amp rating	Number of poles	Location on switch	Part number
		100-200A	3	Lineside	TSH4-3T
100-200A	3	Loadside	TSH4-3B		
100-200A	4	Lineside or loadside	TSH4-4TB		
400A	3	Lineside	TSH5-3T		
400A	3	Loadside	TSH5-3B		
400A	4	Lineside or loadside	TSH5-4TB		

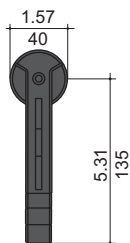
Dimensions - in (mm)



Switch rating (A)	Overall dimen. C	Terminal shrouds		Switch body						Switch mounting				Connection								
		AC	AD	F 3p.	F 4p.	H	J1 3p.	J1 4p.	K	M 3p.	M 4p.	N	R1	R2	T	U	V	W	Y	Z	AA	AC
100	3.72 (94.6)	10.1 (256)	3.05 (77.5)	7.09 (180)	9.06 (230)	4.22 (107)	2.17 (55)	4.13 (105)	1.8 (45.6)	6.3 (160)	8.27 (210)	5.31 (135)	0.35 (9)	0.27 (7)	1.97 (50)	0.98 (25)	1.18 (30)	0.43 (11)	0.14 (3.5)	1.35 (34.4)	6.3 (160)	0.6 (15)
200	3.72 (94.6)	10.1 (256)	3.05 (77.5)	7.09 (180)	9.06 (230)	4.22 (107)	2.17 (55)	4.13 (105)	1.8 (45.6)	6.3 (160)	8.27 (210)	5.31 (135)	0.35 (9)	0.27 (7)	1.97 (50)	0.98 (25)	1.18 (30)	0.43 (11)	0.14 (3.5)	1.35 (34.4)	6.3 (160)	0.6 (15)
400	4.92 (128)	16 (406)	4.15 (115)	9.05 (230)	11.4 (290)	6.53 (166)	2.95 (75)	5.31 (135)	2.65 (67.5)	8.26 (210)	10.6 (270)	7.67 (195)	0.35 (9)	0.27 (7)	2.56 (65)	1.77 (45)	1.97 (50)	0.43 (13)	0.2 (5)	2.08 (53)	10.2 (260)	0.8 (20)

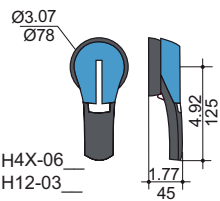
Direct mount handle

External front handle

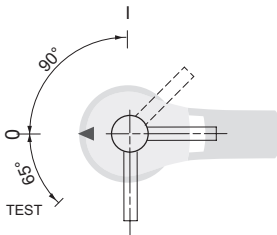


DIR-03

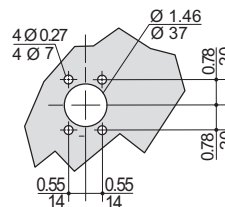
Handle type







Direction of front operation



Door drilling layout




For a complete assembly, please select:

Select for standard applications	Switch + lugs 	Switch																																																																																											
		<table border="1"> <thead> <tr> <th rowspan="2">Switch Amp rating</th> <th rowspan="2">No. of poles</th> <th rowspan="2">SCCR</th> <th colspan="5">Max horsepower rating</th> <th rowspan="2">Part number</th> </tr> <tr> <th>220/240Vac</th> <th>3-phase 440/480Vac</th> <th>600 Vac</th> <th>DC* 125 Vdc</th> <th>250 Vdc</th> </tr> </thead> <tbody> <tr><td>600A</td><td>3</td><td>200kA</td><td>240</td><td>400</td><td>350</td><td>20</td><td>50</td><td>RD600-3</td></tr> <tr><td>600A</td><td>4</td><td>200kA</td><td>240</td><td>400</td><td>350</td><td>20</td><td>50</td><td>RD600-4</td></tr> <tr><td>800A</td><td>3</td><td>100kA</td><td>200</td><td>500</td><td>500</td><td>-</td><td>-</td><td>RD800-3</td></tr> <tr><td>800A</td><td>4</td><td>100kA</td><td>200</td><td>500</td><td>500</td><td>-</td><td>-</td><td>RD800-4</td></tr> <tr><td>1000A</td><td>3</td><td>100kA</td><td>200</td><td>500</td><td>500</td><td>-</td><td>-</td><td>RD1000-3</td></tr> <tr><td>1000A</td><td>4</td><td>100kA</td><td>200</td><td>500</td><td>500</td><td>-</td><td>-</td><td>RD1000-4</td></tr> <tr><td>1200A</td><td>3</td><td>100kA</td><td>200</td><td>500</td><td>500</td><td>-</td><td>-</td><td>RD1200-3</td></tr> <tr><td>1200A</td><td>4</td><td>100kA</td><td>200</td><td>500</td><td>500</td><td>-</td><td>-</td><td>RD1200-4</td></tr> </tbody> </table>	Switch Amp rating	No. of poles	SCCR	Max horsepower rating					Part number	220/240Vac	3-phase 440/480Vac	600 Vac	DC* 125 Vdc	250 Vdc	600A	3	200kA	240	400	350	20	50	RD600-3	600A	4	200kA	240	400	350	20	50	RD600-4	800A	3	100kA	200	500	500	-	-	RD800-3	800A	4	100kA	200	500	500	-	-	RD800-4	1000A	3	100kA	200	500	500	-	-	RD1000-3	1000A	4	100kA	200	500	500	-	-	RD1000-4	1200A	3	100kA	200	500	500	-	-	RD1200-3	1200A	4	100kA	200	500	500	-	-	RD1200-4	* DC ratings use two poles in series.				
		Switch Amp rating				No. of poles	SCCR	Max horsepower rating					Part number																																																																																
			220/240Vac	3-phase 440/480Vac	600 Vac			DC* 125 Vdc	250 Vdc																																																																																				
		600A	3	200kA	240	400	350	20	50	RD600-3																																																																																			
		600A	4	200kA	240	400	350	20	50	RD600-4																																																																																			
		800A	3	100kA	200	500	500	-	-	RD800-3																																																																																			
		800A	4	100kA	200	500	500	-	-	RD800-4																																																																																			
		1000A	3	100kA	200	500	500	-	-	RD1000-3																																																																																			
		1000A	4	100kA	200	500	500	-	-	RD1000-4																																																																																			
1200A	3	100kA	200	500	500	-	-	RD1200-3																																																																																					
1200A	4	100kA	200	500	500	-	-	RD1200-4																																																																																					
Terminal lug kit																																																																																													
<table border="1"> <thead> <tr> <th>Switch amp rating</th> <th>No. of poles</th> <th>Lugs per kit</th> <th>Lugs required per pole</th> <th>Wire range</th> <th>Wire type</th> <th>Part number</th> </tr> </thead> <tbody> <tr><td>600</td><td>3</td><td>3</td><td>1</td><td>(2) #2-600MCM</td><td>75°C Cu/Al</td><td>LUG5-3</td></tr> <tr><td>600</td><td>4</td><td>4</td><td>1</td><td>(2) #2-600MCM</td><td>75°C Cu/Al</td><td>LUG5-4</td></tr> <tr><td>800-1200</td><td>3</td><td>6</td><td>2</td><td>(4) #2-600MCM</td><td>75°C Cu/Al</td><td>LUG6-6</td></tr> <tr><td>800-1200</td><td>4</td><td>8</td><td>2</td><td>(4) #2-600MCM</td><td>75°C Cu/Al</td><td>LUG6-8</td></tr> </tbody> </table>	Switch amp rating	No. of poles	Lugs per kit	Lugs required per pole	Wire range	Wire type	Part number	600	3	3	1	(2) #2-600MCM	75°C Cu/Al	LUG5-3	600	4	4	1	(2) #2-600MCM	75°C Cu/Al	LUG5-4	800-1200	3	6	2	(4) #2-600MCM	75°C Cu/Al	LUG6-6	800-1200	4	8	2	(4) #2-600MCM	75°C Cu/Al	LUG6-8																																																										
Switch amp rating	No. of poles	Lugs per kit	Lugs required per pole	Wire range	Wire type	Part number																																																																																							
600	3	3	1	(2) #2-600MCM	75°C Cu/Al	LUG5-3																																																																																							
600	4	4	1	(2) #2-600MCM	75°C Cu/Al	LUG5-4																																																																																							
800-1200	3	6	2	(4) #2-600MCM	75°C Cu/Al	LUG6-6																																																																																							
800-1200	4	8	2	(4) #2-600MCM	75°C Cu/Al	LUG6-8																																																																																							
+																																																																																													
HANDLE		Direct mount handle - mounts directly to switch, no shaft required					Part number																																																																																						
		For switch part number	Color	Test function	Padlockable	Part number																																																																																							
		All switches	Black	N	Y	DIR-04																																																																																							
or																																																																																													
HANDLE		External front operated pistol handles - shaft required					Part number																																																																																						
		NEMA type	Color	Test function	Padlockable	Defeatable																																																																																							
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-07B ⁽¹⁾																																																																																						
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-07R ⁽¹⁾																																																																																						
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-08B ⁽²⁾																																																																																						
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-08R ⁽²⁾																																																																																						
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required					Part number																																																																																						
		NEMA type	Color	Test function	Padlockable	Defeatable																																																																																							
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-07BHD ⁽³⁾																																																																																						
		1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-07RHD ⁽³⁾																																																																																						
1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-08BHD ⁽⁴⁾																																																																																								
1, 3R, 4, 4X, 12	Red/yellow	N	Y	Y	H4X-08RHD ⁽⁴⁾																																																																																								
Shafts for pistol handles					Part number																																																																																								
Length in (mm)	Mounting depth (X) in (mm)																																																																																												
7.9 (200)	8.70~13.50 (221~343)																																																																																												
12.6 (320)	8.70~18.23 (221~463)																																																																																												
15.7 (400)	8.70~21.38 (221~543)																																																																																												
Shaft guide					Part number																																																																																								
Required for 15.7" (400mm) long shafts, optional for other lengths					SH-GUIDE2																																																																																								
and ...																																																																																													
Accessories	AUX CONTACTS 	Auxiliary contacts																																																																																											
		Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch	Part number																																																																																						
		NO + NC	1 of each	10.1A	125-250Vac	2	BAC03*																																																																																						
		NO + NC	1 of each	10.1A	125-250Vac	2	BAC04*																																																																																						
		NO + NC	1 of each	1A	125Vac	2	BAC11*																																																																																						
		NO + NC	1 of each	1A	125Vac	2	BAC12*																																																																																						
* For one auxiliary contact, install either BAC03 or BAC11. For two auxiliary contacts, install BAC03 + BAC04, or BAC11 + BAC12.																																																																																													

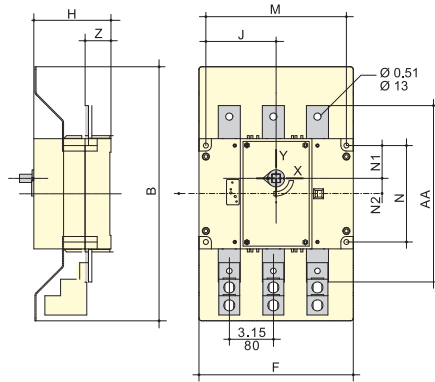
Disconnect switches

and ...

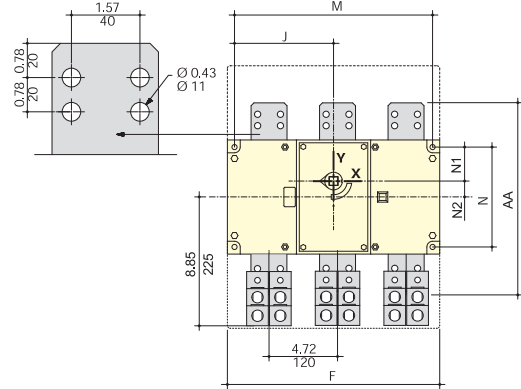
Accessories	SHROUDS	Terminal shrouds* - includes terminal shroud for Lineside or loadside			
		Switch amp rating	Number of poles	Location on switch	Part number
		600A	3	Lineside or loadside	TSH6-3TB
		600A	4	Lineside or loadside	TSH6-4TB
		800-1200A	3	Lineside or loadside	TSH7-3TB
		800-1200A	4	Lineside or loadside	TSH7-4TB

* Shroud for lineside included with switch.

Dimensions - in (mm) 600A

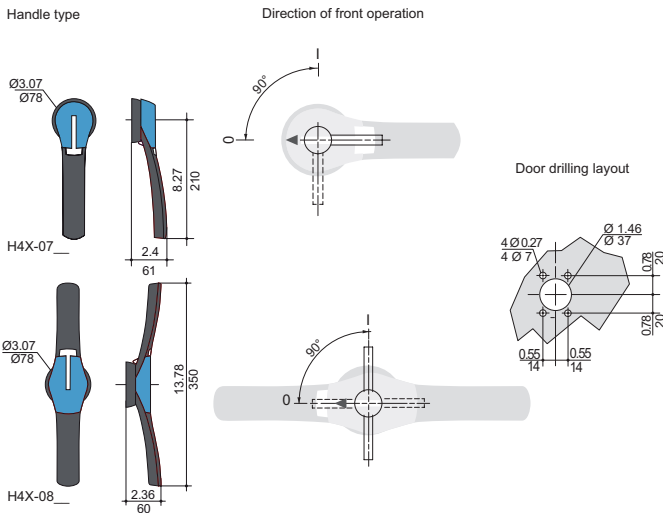


800 to 1200A

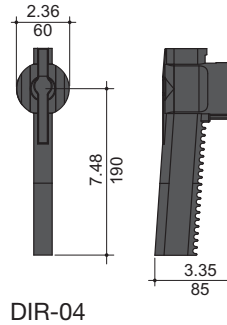


Switch rating (A)	Terminal shrouds B	Switch body					Switch mounting					Connection	
		F 3p.	F 4p.	H	J 3p.	J 4p.	M 3p.	M 4p.	N	N1	N2	AA	Z
600	18.12 (460)	11 (280)	14.17 (360)	5.5 (140)	5 (127.5)	6.59 (167.5)	10.03 (255)	13.19 (335)	6.88 (175)	2.34 (59.5)	1.10 (28)	12.6 (320)	1.85 (47)
800	18.12 (460)	14.64 (372)	19.37 (492)	5.5 (140)	6.83 (173.5)	9.19 (233.5)	13.66 (347)	18.38 (467)	6.88 (175)	2.34 (59.5)	1.10 (28)	13 (330)	1.85 (47)
1000	18.12 (460)	14.64 (372)	19.37 (492)	5.5 (140)	6.83 (173.5)	9.19 (233.5)	13.66 (347)	18.38 (467)	6.88 (175)	2.34 (59.5)	1.10 (28)	13 (330)	1.85 (47)
1200	18.12 (460)	14.64 (372)	19.37 (492)	5.5 (140)	6.83 (173.5)	9.19 (233.5)	13.66 (347)	18.38 (467)	6.88 (175)	2.34 (59.5)	1.10 (28)	13 (330)	1.85 (47)

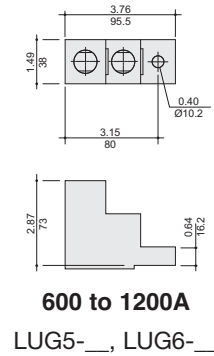
External front pistol handles



Direct mount handle



Terminal lugs



Description

Eaton UL 508 load break disconnect switches allow safe control and safe disconnection of any motor application or to isolate a circuit within the panel.

These disconnect switches are compact and offer a wide variety of accessories like 4th poles, Auxiliary contacts, door mounting and 6/8-Pole kits.

Features

- Suitable as motor disconnect
- DIN-Rail or panel mount
- Door mount option
- Disconnect switches are front, right side or direct handle operable
- Finger-safe

Agency information

- UL508, Guide NLRV, File E155129
- CSA C22.2 No. 14, File 257020
- Conforms with IEC 60947-3

Online resources

Visit www.cooperbusmann.com/Disconnects for:

- CAD drawings
- Instruction sheets
- UL information



QuikShip Everyday Service ships the most common part numbers within 24 hours. Contact your Eaton representative for details.

Related Bussmann series products	
Fuse blocks	Data Sheet #
Modular knifeblade fuse blocks 100-600A	3192
Class J power distribution fuse blocks 100-400A	10192
Fuses holders	
CH Class CC, midget and 10x38 0-30A	3185
Finger-safe Optima holders 0-30A	1102
Optima™ protection modules 0-30A	1109
CH Class J 0-60A	2144

Disconnect switches

IEC electrical specifications



RD16-3-508



RD16-3-508 with 6-pole conversion kit

Part number	RD16-3-508	RD25-3-508	RD40-3-508	RD63-3-508	RD80-3-508
Thermal current I_{th} at 40°C (A)	16	25	40	63	80
Rated insulation voltage U_i (V)	800	800	800	800	800
Rated impulse withstand voltage U_{imp} (kV)	8	8	8	8	8
Rated operation currents I_o (A)					
Load duty category	Rated voltage	Rated voltage	Rated voltage	Rated voltage	Rated voltage
500Vac	AC-22 A/AC-22 B	AC-22 A/AC-22 B	AC-22 A/AC-22 B	AC-22 A/AC-22 B	AC-22 A/AC-22 B
500Vac	16/16	25/25	40/40	63/63	80/80
690Vac	AC-23 A/AC-23 B	AC-23 A/AC-23 B	AC-23 A/AC-23 B	AC-23 A/AC-23 B	AC-23 A/AC-23 B
690Vac	16/16	25/25	40/40	63/63	80/80
690Vac	AC-21 A/AC-21 B	AC-21 A/AC-21 B	AC-21 A/AC-21 B	AC-21 A/AC-21 B	AC-21 A/AC-21 B
690Vac	16/16	25/25	40/40	63/63	80/80
690Vac	AC-22 A/AC-22 B	AC-22 A/AC-22 B	AC-22 A/AC-22 B	AC-22 A/AC-22 B	AC-22 A/AC-22 B
690Vac	16/16	25/25	32/40	40/63	63/80
690Vac	AC-23 A/AC-23 B	AC-23 A/AC-23 B	AC-23 A/AC-23 B	AC-23 A/AC-23 B	AC-23 A/AC-23 B
690Vac	16/16	25/25	25/25	40/40	40/40
Operational power in AC-23 (kW)					
400Vac without prebreak AC ⁽¹⁾⁽²⁾	7.5	11	18.5	30	37
500Vac without prebreak AC ⁽¹⁾⁽²⁾	7.5	11	15	30	37
690Vac without prebreak AC ⁽¹⁾⁽²⁾	7.5	15	18.5	30	37
Overload capacity (U_s 415 Vac)					
Rated short-time withstand current 0.3 s. I_{cw} (kA rms) ⁽³⁾	2.5	2.5	2.5	3	3
Rated short-time making capacity I_{sm} (kA peak) (3)	6	6	6	9	9
Fuse protected short-circuit withstand (kA rms prospective)					
Prospective short-circuit current (kA rms) ⁽³⁾	50	50	50	50	50
Associated fuse rating (A) ⁽³⁾	16	25	40	63	80
Connection					
Minimum Cu cable cross section (mm ²)	1.5	1.5	1.5	2.5	2.5
Maximum Cu cable section (mm ²)	16	16	16	35	35
Tightening torque min/max (N·m)	2/2.2	2/2.2	2/2.2	3.5/3.85	3.5/3.85

(1) A/B: Category with index A = frequent operation; category with index B = infrequent operation.
 (2) The power value is given for information only; the current values vary from one manufacturer to another.
 (3) For a rated operating voltage, $U_s = 400$ Vac.

UL electrical specifications





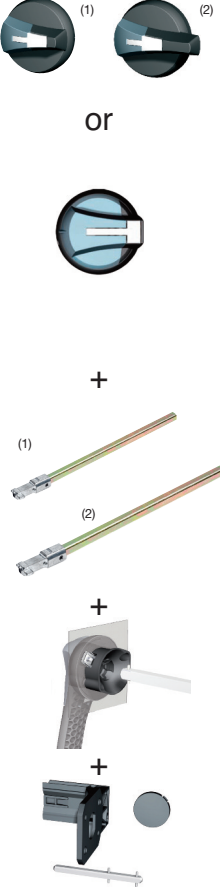
RD16-3-508



RD16-3-508 with 6-pole conversion kit

Part number	RD16-3-508	RD25-3-508	RD40-3-508	RD63-3-508	RD80-3-508
UL standard	UL 508	UL 508	UL 508	UL 508	UL 508
Max ampacity	16A	25A	40A	63A	80A
Handle operation	Front/Side	Front/Side	Front/Side	Front/Side	Front/Side
UL electrical ratings					
Max voltage (AC)	600Vac	600Vac	600Vac	600Vac	600Vac
Maximum horsepower ratings					
3-phase, 208Vac	3	7.5	7.5	15	15
3-phase, 240Vac	5	7.5	7.5	20	20
3-phase, 480Vac	10	15	20	40	40
3-phase, 600Vac	10	20	25	40	40
Electrical characteristics					
SCCR with fuse	65kA	65kA	10/65kA	50/65kA	50/65kA
Recommended upstream					
Fuse class	J	J	J	J	J
Max. fuse rating	30A	30A	60/30A	100/60A	100/60A
Terminals	Integral	Integral	Integral	Integral	Integral
Wire type	75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu
Wire range and torque - Lb-In (N•m)					
Solid					
Single	#14-10 26.5 (3)	#14-10 26.5 (3)	#14-10 26.5 (3)	#14-10 31.1 (3.5)	#14-10 31.1 (3.5)
Dual	#12 26.5 (3)	#12 26.5 (3)	#12 26.5 (3)	#12 31.1 (3.5)	#12 31.1 (3.5)
Stranded					
Single	#14-4 26.5 (3)	#14-4 26.5 (3)	#14-4 26.5 (3)	#14-1 31.1 (3.5)	#14-1 31.1 (3.5)
Dual	#14-12 26.5 (3)	#14-12 26.5 (3)	#14-12 26.5 (3)	#10-6 31.1 (3.5)	#10-6 31.1 (3.5)
Mechanical characteristics					
Endurances/cycles	10,000	10,000	10,000	10,000	10,000
Physical characteristics					
Dimensions - see drawings on product pages					
Weight - Lb (KG)	0.5 (0.2)	0.5 (0.2)	0.5 (0.2)	0.7 (0.32)	0.7 (0.32)
Environmental					
Operating temperature	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
Flammability rating	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0
Accessories					
Handles					
Direct	DIR-01	DIR-01	DIR-01	DIR-01	DIR-01
Short selector/NEMA 1, 3R, 4, 4X, 12	H4X-01B H4X-01R	H4X-01B H4X-01R	H4X-01B H4X-01R	H4X-01B H4X-01R	H4X-01B H4X-01R
Long selector/NEMA 1, 3R, 4, 4X, 12	H4X-02B H4X-02R	H4X-02B H4X-02R	H4X-02B H4X-02R	H4X-02B H4X-02R	H4X-02B H4X-02R
Pistol handle/NEMA 1, 3R, 4, 4X, 12	H4X-03B H4X-03R	H4X-03B H4X-03R	H4X-03B H4X-03R	H4X-03B H4X-03R	H4X-03B H4X-03R
Metallic hasp (HD) pistol handle/NEMA 1, 3R, 4, 4X, 12	H4X-03BHD H4X-03RHD	H4X-03BHD H4X-03RHD	H4X-03BHD H4X-03RHD	H4X-03BHD H4X-03RHD	H4X-03BHD H4X-03RHD
Selector handle shafts - 5x5mm					
5.9"/150mm	SH4-150	SH4-150	SH4-150	SH4-150	SH4-150
7.9"/200mm	SH4-200	SH4-200	SH4-200	SH4-200	SH4-200
12.6"/320mm	SH4-320	SH4-320	SH4-320	SH4-320	SH4-320
Pistol handle shafts - 5x5mm					
7.9"/200mm	SH3-200	SH3-200	SH3-200	SH3-200	SH3-200
12.6"/320mm	SH3-320	SH3-320	SH3-320	SH3-320	SH3-320
15.75"/400mm	SH3-400	SH3-400	SH3-400	SH3-400	SH3-400
Selector handle shaft guide	SH-GUIDE1	SH-GUIDE1	SH-GUIDE1	SH-GUIDE1	SH-GUIDE1
Pistol handle shaft guide	SH-GUIDE2	SH-GUIDE2	SH-GUIDE2	SH-GUIDE2	SH-GUIDE2
Door mount kit	DOOR-508	DOOR-508	DOOR-508	DOOR-508	DOOR-508
Shrouds/switch amps					
1-Pole	TSH1-1TB	TSH1-1TB	TSH1-1TB	TSH2-3TB	TSH2-3TB
3-pole (loadside and lineside)	TSH1-3TB	TSH1-3TB	TSH1-3TB	—	—
Switched 4th pole/switch amps	POLE-16	POLE-25	POLE-40	—	—
Ground module (conforms to IEC 60947-3)	GND-16-40	GND-16-40	GND-16-40	GND-63-80	GND-63-80
Neutral module (conforms to IEC 60947-3)	NTRL-16-40	NTRL-16-40	NTRL-16-40	NTRL-63-80	NTRL-63-80
Auxiliary contacts					
NO + NC (1 ea.)	BAC01	BAC01	BAC01	BAC01	BAC01
(2) NO	BAC02	BAC02	BAC02	BAC02	BAC02
AC ratings					
Volts	240Vac	240Vac	240Vac	240Vac	240Vac
Amps	10A	10A	10A	10A	10A
6-/8-pole conversion kit	KIT-6POLE	KIT-6POLE	KIT-6POLE	KIT-6POLE	KIT-6POLE
Gangs two switches of same rating, 16-80A switch amps	KIT-6POLE	KIT-6POLE	KIT-6POLE	KIT-6POLE	KIT-6POLE
— Not available.					

For a complete assembly, please select:






Switch	Switch											
	Switch amp rating	No. of poles	SCCR @600V	Max Class J fuse	Max horsepower rating, 3-Ph				Wire size	Wire type	Part number	
					208 Vac	220/240Vac	440/480Vac	600 Vac				
	16	3	65kA	30A	3	5	10	10	#14-#10 Sol Dual #12 Sol #14-#4 Str Dual #14-#12 Str	75°C Cu	RD16-3-508	
	25	3	65kA	30A	7.5	7.5	15	20	#14-#10 Sol Dual #12 Sol #14-#4 Str Dual #14-#12 Str	75°C Cu	RD25-3-508	
	40	3	10kA 65kA	60A 30A	7.5	7.5	20	25	#14-#10 Sol Dual #12 Sol #14-#4 Str Dual #14-#12 Str	75°C Cu	RD40-3-508	
	63	3	50kA 65kA	100A 60A	15	20	40	40	#14-#10 Sol Dual #12 Sol #14-#1 Str Dual #10-#6 Str	75°C Cu	RD63-3-508	
	80	3	50kA 65kA	100A 60A	15	20	40	40	#14-#10 Sol Dual #12 Sol #14-#1 Str Dual #10-#6 Str	75°C Cu	RD80-3-508	
+												
	Direct mount handle - mounts directly to switch, no shaft required											
	For switch part number	Color	Test function	Padlockable							Part number	
All switches	Black	N	Y - On Switch							DIR-01		
or												
	External front or right side operated selector handles - shaft required											
	NEMA type	Color	Handle length	Test function	Padlockable						Part number	
	1, 3R, 4, 4X, 12	Black	Short	N	Y						H4X-01B ⁽¹⁾	
	1, 3R, 4, 4X, 12	Red/yellow	Short	N	Y						H4X-01R ⁽¹⁾	
	1, 3R, 4, 4X, 12	Black	Long	N	Y						H4X-02B ⁽²⁾	
	1, 3R, 4, 4X, 12	Red/yellow	Long	N	Y						H4X-02R ⁽²⁾	
	External front operated pistol handles - shaft required											
	NEMA type	Color	Handle length	Test function	Padlockable	Defeatable						Part number
	1, 3R, 4, 4X, 12	Black	—	N	Y	Y						H4X-03B
	1, 3R, 4, 4X, 12	Red/yellow	—	N	Y	Y						H4X-03R
	Metallic hasp (heavy duty) external front operated pistol handles - shaft required											
	NEMA type	Color	Handle length	Test function	Padlockable	Defeatable						Part number
	1, 3R, 4, 4X, 12	Black	—	N	Y	Y						H4X-03BHD
	1, 3R, 4, 4X, 12	Red/yellow	—	N	Y	Y						H4X-03RHD
	Shafts for selector handles											
Length in (mm)	Mounting depth (X) in (mm)									Part number		
5.9 (150)	3.50~7.60 (89~193)									SH4-150 ⁽¹⁾		
7.9 (200)	3.50~9.50 (89~241)									SH4-200 ⁽¹⁾		
12.6 (320)	3.50~14.9 (89~378)									SH4-320 ⁽¹⁾		
Shafts for pistol handles												
Length in (mm)	Mounting depth (X) in (mm)									Part number		
7.9 (200)	3.30~7.40 (84~188)									SH3-200 ⁽²⁾		
12.6 (320)	3.30~9.30 (84~236)									SH3-320 ⁽²⁾		
15.7 (400)	3.30~14.7 (84~373)									SH3-400 ⁽²⁾		
Shaft guides for selector and pistol handles												
Handle type										Part number		
Selector	Required for 12.6" (320mm) long shafts, optional for other lengths									SH-GUIDE1		
Pistol	Required for 15.7" (400mm) long shafts, optional for other lengths									SH-GUIDE2		
Door mount kit - for mounting switch on the right side of the enclosure or directly on the enclosure door using switch side operation shaft location. Kit includes a shaft. <i>Order switch and selector handle separately.</i>												
Switch rating										Part Number		
All switches - kit includes shaft										DOOR-508		

Disconnect switches

Select for standard applications

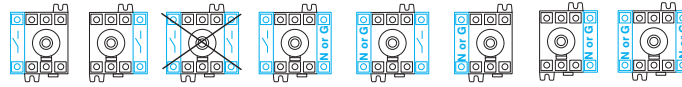
Switch

Handle

		and ...						
Aux contacts		Auxiliary contacts						
		Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of units per switch	Part number	
		NO + NC	1 Ea	10A	240Vac	2 (1 per side/4 contacts total)	BAC01	
		NO	2	10A	240Vac	2 (1 per side/4 contacts total)	BAC02	
and ...								
Shrouds		Terminal shrouds - includes terminal shroud for both lineside <i>and</i> loadside						
		Switch amp rating	Number of poles	Location on switch			Part number	
		16-40A	1 (For switched 4 th pole)	Lineside and loadside			TSH1-1TB	
		16-40A	3	Lineside and loadside			TSH1-3TB	
		63-80A	3	Lineside and loadside			TSH2-3TB	
and ...								
Accessories Sw. 4 th pole		Switched 4th pole - converts 3-pole switch to 4-pole switch						
		Switch amp rating						Part number
		16						POLE-16
		25						POLE-25
		40						POLE-40
and ...								
Accessories Gnd-neut modules		Ground and Neutral Modules - provides unswitched ground or neutral pole - conforms to IEC 60947-3						
		Switch Amp Rating	Module Type				Part Number	
		16-40	Ground				GND-16-40	
		63-80	Ground				GND-63-80	
		16-40	Neutral				NTRL-16-40	
		63-80	Neutral				NTRL-63-80	
and ...								
6-pole kit		6-pole conversion kit - creates a 6-pole switch by ganging two 3-pole switches of equal rating						
		Switch amp rating						Part number
		All switches						KIT-6POLE*
Order switches separately.		* Kit ships with a direct handle. If external handle is needed order a selector handle <i>and</i> shaft for the UL 508 Rotary Disconnect Switches. Note: To create an 8-pole switch from 16 to 40 amp switches, use two 3-pole switches of equal ratings plus two switched 4 th poles (part # POLE-...).						



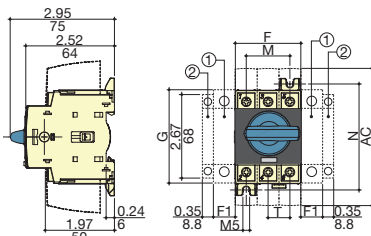
Auxiliary contact configurations



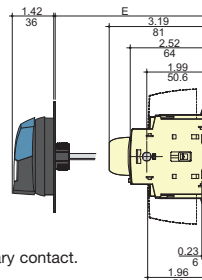
Ground and neutral module, and switched 4th pole configurations.

Dimensions – in (mm)

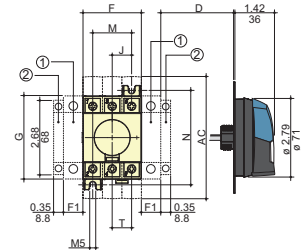
Direct handle operation



External front operation



External side operation

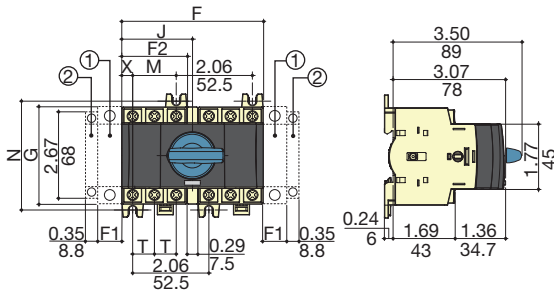


1. Position for 1 switched 4th pole (1 per device max.), or ground or neutral module (2 per device max.) or 1 auxiliary contact.
 2. Position for 1 auxiliary contact only.
- Note: Maximum of 4 Auxiliary contacts, or 3 Auxiliary contacts + one ground or neutral module, or one switched 4th pole.

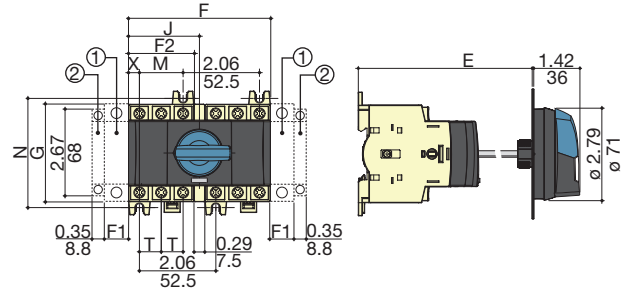
Switch rating (A)	Overall dimensions				Terminal shroud AC	Switch body				Switch mounting		Connection T
	D min	D max	E min	E max		F	F1	G	J	M	N	
16 to 40	1.18 (30)	9.25 (235)	3.94 (100)	14.64 (372)	4.33 (110)	1.77 (45)	0.59 (15)	2.67 (68)	0.59 (15)	1.18 (30)	2.95 (75)	0.59 (15)
63 to 80	1.18 (30)	9.25 (235)	3.93 (100)	14.64 (372)	4.33 (110)	2.06 (52.5)	0.69 (17.5)	2.99 (76)	0.69 (17.5)	1.38 (35)	3.35 (85)	0.69 (17.5)

Dimensions – in (mm)

Direct front operation for 6/8-pole disconnects



External front operation for 6/8-pole disconnects

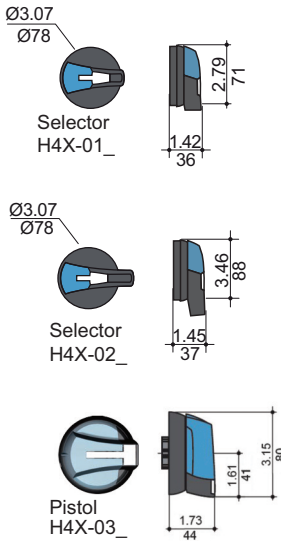


1. Position for 1 switched 4th pole (1 per device max.) or 1 auxiliary contact.
 2. Position for 1 auxiliary contact only.
- Note: Maximum of 4 auxiliary contacts, or 3 auxiliary contacts + one switched 4th pole.

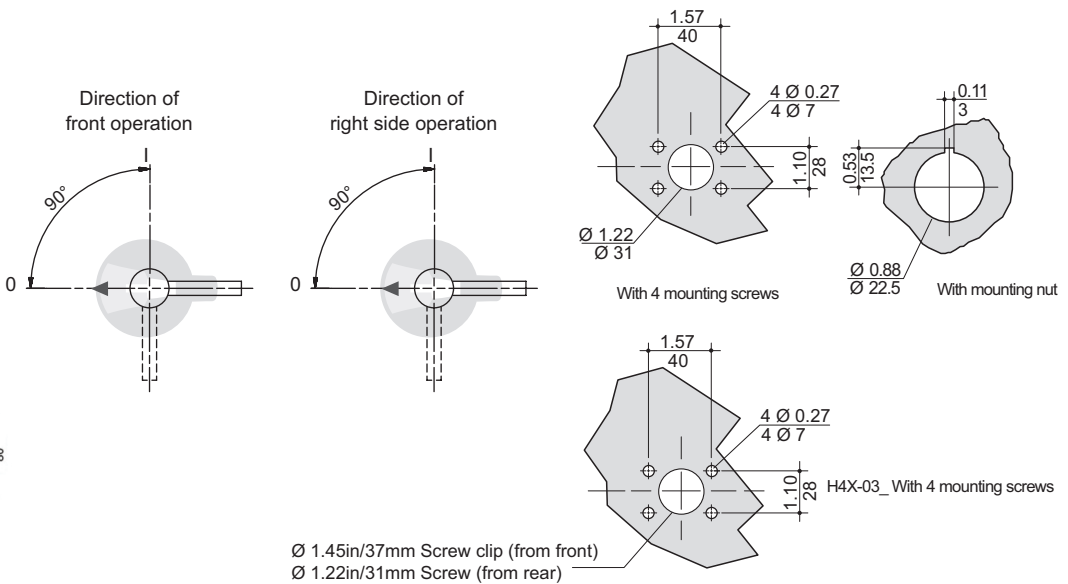
Switch rating (A)	Overall dimensions			Switch body				Switch mounting		Connection	
	E min	E max	F	F1	F2	G	J	M	N	T	X
16 to 40	4.13 (105)	14.64 (372)	3.83 (97.5)	0.59 (15)	1.77 (45)	2.67 (68)	1.92 (48.75)	1.18 (30)	2.95 (75)	0.59 (15)	0.29 (7.5)
63 to 80	4.13 (105)	14.65 (372)	4.13 (105)	0.69 (17.5)	2.06 (52.5)	2.99 (76)	2.06 (52.5)	1.38 (3.5)	3.35 (85)	0.69 (17.5)	0.34 (8.75)

External selector and pistol handles

Handle type



Door drilling layouts



Description

Fused and non-fused enclosed rotary disconnect switches from 16 to 1200A in NEMA 1, 3R, 4, 4X, 12 enclosures.

Features

- UL 98 Listed for general purpose, main disconnect, or branch circuit protection up to 600Vac/dc
- UL 508 Listed for motor disconnect applications up to 600Vac
- Multiple field installed accessories enhance the enclosed disconnect switches to fit the desired application
- Lockout/tagout: Up to three ¼" shank padlocks can be installed on external handles

Ratings:

- Volts: 600Vac
250-600Vdc*
- Amps: 16-1200A
- Short-circuit current ratings: UL 98: 25kA-200kA
UL 508: 10kA-65kA

*Some non-fused disconnect switches are not rated for DC applications.

Specifications

- Operating temperature: -20°C to 70°C
- 4X plastic enclosure flammability rating:
Polycarbonate UL 94-5VA-0
Fiberglass UL 94-5V

Agency information

- UL 98 Listed: File E182262, Guide WIAX, WIAX7
- UL 508 Listed: File E155129, Guide NLRV, NLRV7
- cULus Listed to CSA Standard 22.2, No. 14
- cULus Listed to CSA Standard 22.2, No. 4
- Conforms with IEC 60947-3
- CE compliant
- RoHS compliant

Field installed accessories

- Auxiliary contacts
- Terminal shrouds
- Switched 4th pole (UL 508 only)

Online resources

Visit www.cooperbussmann.com/Disconnects for:

- CAD drawings
- Instruction sheets
- UL information



NEMA 1, 3R, 4 and 12



NEMA 4X stainless steel



NEMA 4X polycarbonate or fiberglass

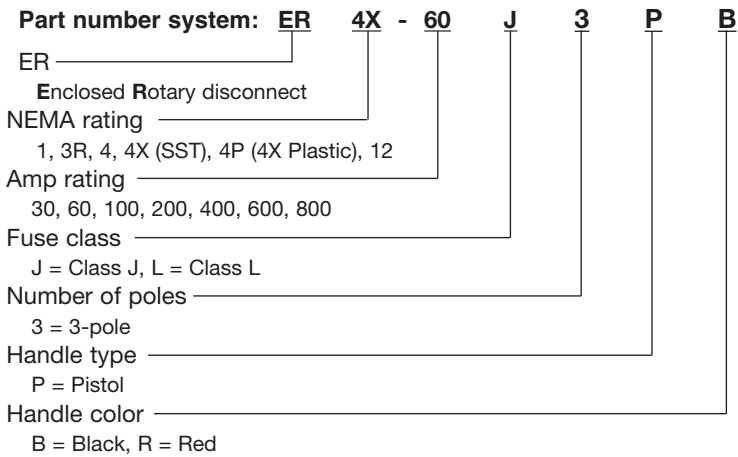
QuikShip

Everyday

QuikShip Everyday Service ships the most common part numbers within 24 hours. Contact your Eaton representative for details.

Available Bussmann series fuses		
Class	Type	Data Sheet #
CC	LP-CC time-delay, current limiting	1023
CC	FNQ-R time-delay	1014
CC	KTK-R fast-acting	1015
J	LPJ time-delay, current limiting	1006 (0-60A)
J		1007 (70-600A)
J	JKS fast-acting fuses	1026 (0-60A)
J		1027 (70-600A)
J	DFJ high speed drive fuse	1048 (0-600A)
L	KRP-C time-delay, current limiting	1008
L	KTU fast-acting	1010
L	KLU time-delay	1013

3-pole UL 98 600Vac



Part numbers - All part numbers provided with integral or installed lugs and a black selector handle. Order Red/yellow handle by changing the suffix "B" to "R."

UL general purpose amp rating	Fuse type	NEMA enclosure type and part number					
		1	3R	4	4X plastic ⁽¹⁾	4X stainless	12
30	J	ER1-30J3PB	ER3R-30J3PB	ER4-30J3PB	ER4P-30J3PB	ER4X-30J3PB	ER12-30J3PB
60	J	ER1-60J3PB	ER3R-60J3PB	ER4-60J3PB	ER4P-60J3PB	ER4X-60J3PB	ER12-60J3PB
100	J	ER1-100J3PB	ER3R-100J3PB	ER4-100J3PB	ER4P-100J3PB	ER4X-100J3PB	ER12-100J3PB
200	J	ER1-200J3PB	ER3R-200J3PB	ER4-200J3PB	ER4P-200J3PB	ER4X-200J3PB	ER12-200J3PB
400	J	ER1-400J3PB	ER3R-400J3PB	ER4-400J3PB	ER4P-400J3PB	ER4X-400J3PB	ER12-400J3PB
600	J	ER1-600J3PB	ER3R-600J3PB	ER4-600J3PB	ER4P-600J3PB	ER4X-600J3PB	ER12-600J3PB
800	L	ER1-800L3PB	ER3R-800L3PB	ER4-800L3PB	ER4P-800L3PB	ER4X-800L3PB	ER12-800L3PB

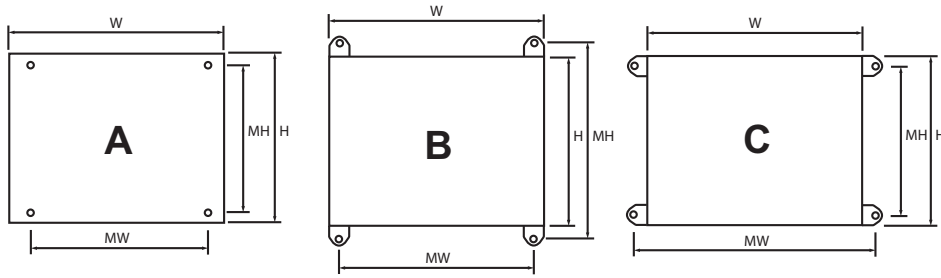
(1) Enclosures ≤100A are polycarbonate, flammability rating UL 94-5VA-V0, ≥200A are fiberglass, flammability rating UL 94-5V.

Switch ratings - for wire types, ranges and tightening torques, see table on page 12-9

Switch amp Rating	Disconnect switch	Fuse type	No. of poles	Voltage		SCCR @ Vac	Max Hp rating @ 600Vac	
				Vac	Vdc			
30	RDF30J-3	J	3	600	250	200kA	20	
60	RDF60J-3	J					50	
100	RDF100J-3	J					75	
200	RDF200J-3	J					N/A	150
400	RDF400J-3	J					250	350
600	RDF600J-3	J					600	
800	RDF800L-3	L						

Disconnect switches


Enclosure weights - lbs and dimensions - in




Part number family	Amp rating	Fuse type	NEMA enclosure type	H x W x D	Mounting centers h x w			Weight lbs
					A	B	C	
ER_-30J	30	J	1, 3R, 4, 12	10x10x6	8.3x8.3			15
			4X-SST	10x10x6		10.7x8.3	8.3x10.7	15
			4X-plastic ⁽¹⁾	12x10x6		12x5.6	7.6x10	8
ER_-60J	60	J	1, 3R, 4, 12	12x10x6	10.3x8.3			19
			4X-SST	12x10x6		12.7x8.3	8.3x10.7	19
			4X-plastic ⁽¹⁾	13x13x6		14x7.6	9.6x12	11
ER_-100J	100	J	1, 3R, 4, 12	14x12x6	12.3x10.3			21
			4X-SST	14x12x6		14.7x10.3	12.3x12.7	21
			4X-plastic ⁽¹⁾	13x13x6		14x7.6	9.6x12	12
ER_-200J	200	J	1, 3R, 4, 12	24x20x8	22.3x18.3			55
			4X-SST	24x20x8		24.7x18.3	22.3x20.7	55
			4X-plastic ⁽¹⁾	27x21x10		25.75x14		39
ER_-400J	400	J	1, 3R, 4, 12	48x36x12	46.3x34.3			188
			4X-SST	48x36x12		48.7x34.3	46.3x36.7	188
			4X-plastic ⁽¹⁾	51x37x14		50x28.5		186
ER_-600J	600	J	1, 3R, 4, 12	48x36x12	46.3x34.3			216
			4X-SST	48x36x12		48.7x34.3	46.3x36.7	216
			4X-plastic ⁽¹⁾	51x37x14		50x28.5		214
ER_-800L	800	L	1, 3R, 4, 12	48x36x12	46.3x34.3			216
			4X-SST	48x36x12		48.7x34.3	46.3x36.7	216
			4X-plastic ⁽¹⁾	51x37x14		50x28.5		214

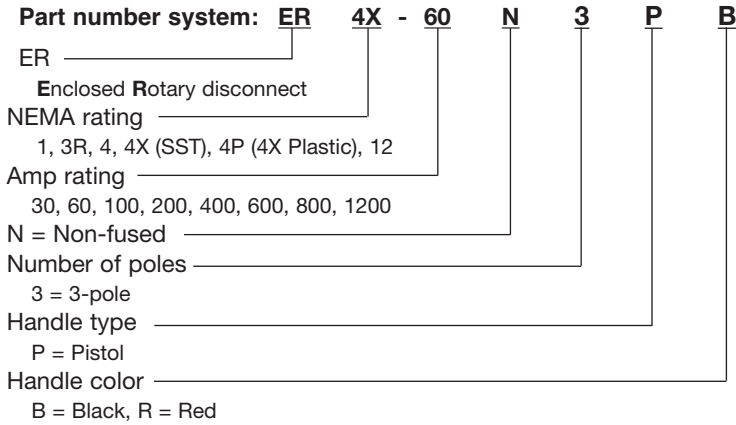
(1) Enclosures ≤100A are polycarbonate, flammability rating UL 94-5VA-V0, ≥200A are fiberglass, flammability rating UL 94-5V.

Available field-Installed accessories - order separately

	Auxiliary contacts - for 30 to 800 amp switches					
	Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch	Part number
	NO	1	10A	600Vac	30 to 200A: 4 400 to 800A: 8	BAC05
	NC	1	10A	600Vac		BAC06

	Terminal shrouds - for 200 to 800 amp switches - includes terminal shroud for lineside or loadside			Part number
	Switch amp rating	Number of poles		
	200	3		TSH8-3TB
	400	3		TSH9-3TB
	600-800	3		TSH10-3TB

3-pole UL 98 600Vac



30-100A



NEMA 1, 3R, 4 and 12 NEMA 4X NEMA 4X stainless

200-1200A



NEMA 1, 3R, 4 and 12 NEMA 4X NEMA 4X stainless

Part numbers - All Part numbers provided with integral or installed lugs and a black selector handle. Order Red/yellow handle by changing the suffix "B" to "R."

UL general purpose amp rating	NEMA enclosure type and part number					
	1	3R	4	4X plastic ⁽¹⁾	4X stainless	12
30	ER1-30N3PB	ER3R-30N3PB	ER4-30N3PB	ER4P-30N3PB	ER4X-30N3PB	ER12-30N3PB
60	ER1-60N3PB	ER3R-60N3PB	ER4-60N3PB	ER4P-60N3PB	ER4X-60N3PB	ER12-60N3PB
100	ER1-100N3PB	ER3R-100N3PB	ER4-100N3PB	ER4P-100N3PB	ER4X-100N3PB	ER12-100N3PB
200	ER1-200N3PB	ER3R-200N3PB	ER4-200N3PB	ER4P-200N3PB	ER4X-200N3PB	ER12-200N3PB
400	ER1-400N3PB	ER3R-400N3PB	ER4-400N3PB	ER4P-400N3PB	ER4X-400N3PB	ER12-400N3PB
600	ER1-600N3PB	ER3R-600N3PB	ER4-600N3PB	ER4P-600N3PB	ER4X-600N3PB	ER12-600N3PB
800	ER1-800N3PB	ER3R-800N3PB	ER4-800N3PB	ER4P-800N3PB	ER4X-800N3PB	ER12-800N3PB
1200	ER1-1200N3PB	ER3R-1200N3PB	ER4-1200N3PB	N/A	ER4X-1200N3PB	ER12-1200N3PB

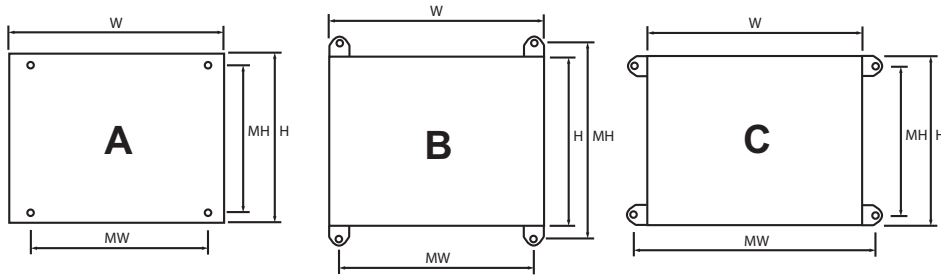
(1) Enclosures ≤100A are polycarbonate, flammability rating UL 94-5VA-V0, ≥200A are fiberglass, flammability rating UL 94-5V.

Switch ratings - for wire types, ranges and tightening torques, see table on page 12-27

Switch amp rating	Disconnect switch	No. of poles	Volts AC	SCCR	Max Hp rating @ 600Vac
30	RD30-3	3	600	100kA	25
60	RD60-3				50
100	RD100-3			25kA/100kA*	200
200	RD200-3			200kA	
400	RD400-3				350
600	RD600-3			500	
800	RD800-3				100kA
1200	RD1200-3				

* 25kA @ 600Vac, 100kA @ 480Vac.

Enclosure weights - lbs and dimensions - in



Part number family	Amp rating	NEMA enclosure type	H x W x D	Mounting centers h x w			Weight lbs
				A	B	C	
ER_-30	30	1, 3R, 4, 12	10x8x6	8.3x6.3			11
		4X-SST	10x8x6		10.7x6.3	8.3x8.7	11
		4X-plastic ⁽¹⁾	9x9x6		10x3.6	5.6x8	5
ER_-60	60	1, 3R, 4, 12	10x8x6	8.3x6.3			12
		4X-SST	10x8x6		10.7x6.3	8.3x8.7	12
		4X-plastic ⁽¹⁾	9x9x6		10x3.6	5.6x8	5
ER_-100	100	1, 3R, 4, 12	12x10x6	10.3x8.3			12
		4X-SST	12x10x6		12.7x8.3	8.3x10.7	12
		4X-plastic ⁽¹⁾	13x13x6		14x7.6	9.6x12	8
ER_-200	200	1, 3R, 4, 12	20x16x8	18.3x14.3			39
		4X-SST	20x16x8		20.7x14.3	18.3x16.7	39
		4X-plastic ⁽¹⁾	20x17x12		21.5x10.1		31
ER_-400	400	1, 3R, 4, 12	36x30x8	34.3x28.3			122
		4X-SST	36x30x8		36.7x28.3	34.3x30.7	122
		4X-plastic ⁽¹⁾	37x32x14		38x28.9		103
ER_-600	600	1, 3R, 4, 12	48x36x12	46.3x34.3			209
		4X-SST	48x36x12		48.7x34.3	46.3x36.7	209
		4X-plastic ⁽¹⁾	51x37x 14		50x28.5		187
ER_-800	800	1, 3R, 4, 12	48x36x12	46.3x34.3			211
		4X-SST	48x36x12		48.7x34.3	46.3x36.7	211
		4X-plastic ⁽¹⁾	51x37x 14		50x28.5		189
ER_-1200	1200	1, 3R, 4, 12	60x36x16	58.3x34.3			268
		4X-SST	60x36x16		60.7x34.3	58.3x36.7	268

(1) Enclosures ≤100A are polycarbonate, flammability rating UL 94-5VA-V0, ≥200A are fiberglass, flammability rating UL 94-5V.

Available field-installed accessories - order separately

Switch amp rating	Auxiliary contacts - for 30 to 1200 amp switches						
	Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of aux contacts per switch	Part number	
30-100	NO + NC	1 of each	10A	240Vac	4	BAC01*	
30-100	NO	2	10A	240Vac	4	BAC02*	
100-1200	NO + NC	1 of each	10.1A	125-250Vac	2	BAC03**	
100-1200	NO + NC	1 of each	10.1A	125-250Vac	2	BAC04**	
100-1200	NO + NC	1 of each	1A	125Vac	2	BAC11**	
100-1200	NO + NC	1 of each	1A	125Vac	2	BAC12**	

* Two (2) Units per switch max.
 ** For one auxiliary contact, install either BAC03 or BAC11. For two auxiliary contacts, install BAC03 + BAC04, or BAC11 + BAC12.

Switch amp rating	Terminal shrouds - for 200 to 800 amp switches			
	Number of poles	Location on switch	Part number	
30-100	3	Lineside and loadside	TSH3-3TB	
200A	3	Lineside	TSH4-3T	
200A	3	Loadside	TSH4-3B	
400A	3	Lineside	TSH5-3T	
400A	3	Loadside	TSH5-3B	
600A	3	Lineside or loadside	TSH6-3TB	
800-1200A	3	Lineside or loadside	TSH7-3TB	

3-/6-pole UL 508 600Vac

Part number system: ER 4X - 63 N 6 P B

ER — Enclosed Rotary disconnect
 NEMA rating — 1, 3R, 4, 4X (SST), 4P (4X Plastic), 12
 Amp rating — 16, 25, 40, 63, 80
 N = Non-fused
 Number of poles — 3 = 3-pole, 6 = 6-Pole
 Handle type — S = Selector*, P = Pistol**
 Handle color — B = Black, R = Red

* 6-Pole switches only, selector handle does not interlock the enclosure door.
 ** 3-pole switches only.



Part numbers - All Part numbers provided with a black selector handle. Order red/yellow handle by changing the suffix "B" to "R."

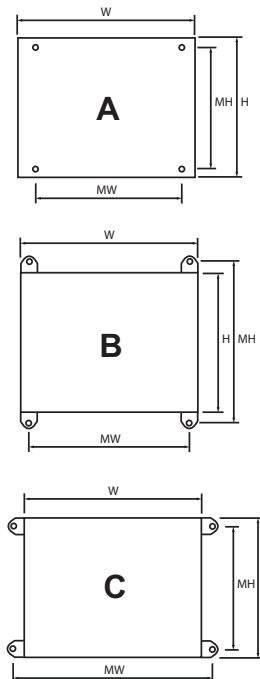
UL general purpose amp rating	No. of poles	NEMA enclosure type and part number					
		1	3R	4	4X plastic ⁽¹⁾	4X stainless	12
16	3	ER1-16N3PB	ER3R-16N3PB	ER4-16N3PB	ER4P-16N3PB	ER4X-16N3PB	ER12-16N3PB
	6	ER1-16N6SB	ER3R-16N6SB	ER4-16N6SB	ER4P-16N6SB	ER4X-16N6SB	ER12-16N6SB
25	3	ER1-25N3PB	ER3R-25N3PB	ER4-25N3PB	ER4P-25N3PB	ER4X-25N3PB	ER12-25N3PB
	6	ER1-25N6SB	ER3R-25N6SB	ER4-25N6SB	ER4P-25N6SB	ER4X-25N6SB	ER12-25N6SB
40	3	ER1-40N3PB	ER3R-40N3PB	ER4-40N3PB	ER4P-40N3PB	ER4X-40N3PB	ER12-40N3PB
	6	ER1-40N6SB	ER3R-40N6SB	ER4-40N6SB	ER4P-40N6SB	ER4X-40N6SB	ER12-40N6SB
63	3	ER1-63N3PB	ER3R-63N3PB	ER4-63N3PB	ER4P-63N3PB	ER4X-63N3PB	ER12-63N3PB
	6	ER1-63N6SB	ER3R-63N6SB	ER4-63N6SB	ER4P-63N6SB	ER4X-63N6SB	ER12-63N6SB
80	3	ER1-80N3PB	ER3R-80N3PB	ER4-80N3PB	ER4P-80N3PB	ER4X-80N3PB	ER12-80N3PB
	6	ER1-80N6SB	ER3R-80N6SB	ER4-80N6SB	ER4P-80N6SB	ER4X-80N6SB	ER12-80N6SB

(1) Polycarbonate enclosure flammability rating UL 94-5VA-V0.

Switch ratings - for wire types, ranges and tightening torques, see table on page 12-35

Switch amp rating	Disconnect switch	Voltage		SCCR with max upstream Class J fuse	Max Hp rating @ 600Vac
		Vac	Vdc		
16	RD16-3-508	600	N/A	65kA / 30A	10
25	RD25-3-508			65kA / 30A	20
40	RD40-3-508			65kA / 30A — 10kA / 60A	25
63	RD63-3-508			65kA / 60A — 50kA / 100A	40
80	RD80-3-508			65kA / 60A — 50kA / 100A	40

Note: Voltage, SCCR and horsepower ratings are the same for 3- and 6-pole UL 508 non-fused disconnect switches.



Enclosure weights - lbs and dimensions - in

NEMA enclosure type	No. of poles	Switch amp ratings	H x W x D	Mounting centers h x w			Weight lbs
				A	B	C	
1, 3R, 4, 12	3	16-80A	8x6x6	6.3x4.3			8
	6	16-80A	10x8x6	8.3x6.3			11
4X-SST	3	16-80A	8x6x6		8.7x4.3	6.3x6.7	8
	6	16-80A	10x8x6		10.7x6.3	8.3x8.7	11
4X-plastic ⁽¹⁾	3	16-63A	7.4x8.7x5.8	8x3.6	3.6x8		4
		80A	9.4x8.7x5.9	10x3.6	5.6x8		5
		16-80A	11.4x10.7x6.3	12x5.6	7.6x10		6

(1) Polycarbonate.


Disconnect switches

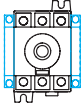
12

Disconnect switches


UL 508 enclosed non-fused disconnect—16 to 80A


Available field-installed accessories - *order separately*

	Auxiliary contacts					
	Contact type	Number of contacts	Continuous amp rating	Voltage rating	Max number of units per switch	Part number
	NO + NC	1 Ea	10A	240Vac	2 (1 per side/4 contacts total)	BAC01
	NO	2	10A	240Vac	2 (1 per side/4 contacts total)	BAC02



Auxiliary contact configurations

	Terminal shrouds - includes terminal shroud for both lineside <i>and</i> loadside					
	Switch amp rating	Number of poles		Location on switch		Part number
	16-40A	3		Lineside and loadside		TSH1-3TB
	63-80A	3		Lineside and loadside		TSH2-3TB

	Switched 4 th pole - converts 3-pole switch to 4-pole switch					
	Switch amp rating					Part number
	16					POLE-16
	25					POLE-25
	40					POLE-40

15149

Specifications

Description: Fused, dead front disconnect switches

Ratings:

Volts: — 600Vac

Amps: — 30A

SCCR: — 200kA RMS Sym.

Dielectric voltage: 2200V

Motor rating: 5Hp

Poles: 2 to 3

Agency information: UL Recognized, file E120756 for General Industrial installations. Guide WGEU2. CSA certified, file LR37129-6. Examined under the new proposed standard UL 1429 which imparts a stricter set of test conditions than the former program that combined the applicable portions for UL 512 (fuse holders) and UL 98 (enclosed switches).



Features and benefits

- Fuse holders in the pull-out head eliminate possibility of electric shock while changing fuse.
- Accepts Class J fuses

Ordering information

To order, specify: 15149 + number of poles.
Example: 15149-2 = 2-pole device.