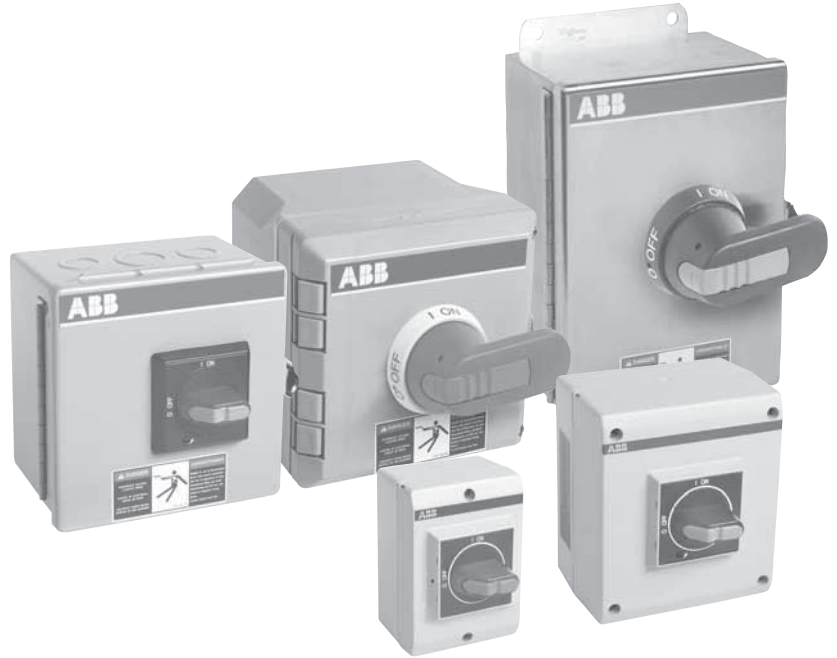


SafeLine Enclosed Disconnect switches



SafeLine

Compact, heavy duty
Enclosed disconnect switches
16A – 3150A Non-fusible
30A – 3000A Fusible



SafeLine enclosed disconnect switches are designed to meet customer requirements in terms of safety, ease of installation, space savings and operational convenience. They are available in a wide range of amperage ratings, are UL approved and NEMA rated to satisfy rugged industrial environments.

- Suitable for use as:**
- OSHA Lockout/Tagout disconnects
 - Safety switches
 - Load break switches
 - Isolators

General information Non-fusible

NF 16 E - 3P BJ A 11

Disconnect switch type

- NF = Non-fusible
- FC = UL Fused Class CC, (30A)
- FJ = UL Fused Class J, (30A – 600A)
- FL = UL Fused Class L, (800A)
- FT = UL Fused Class T, (100A – 800A)
- F* = Fused Class *special customer requirements

Disconnect switch frame size

Non-Fusible switches

16	25	30	32	45	60
63	100	125	200	400	600
800	1200	1600	2000	3150	

Fusible switches

30	60	100	200	400	600
800	1200 - 3000 – consult factory				

Environmental rating

- 1 = Type 1
- 2 = Type 12
- 3 = Type 3R
- 4 = Type 4
- X = Type 4, 4X stainless steel
- P = Type 3R, 4, 4X plastic
- K = Type 3R, 12 plastic
- E = European rated IP65,
- 7 = Type 7 & 9 Class I; Div. 1 & 2; Group C, & D
Class II; Div. 1 & 2; Group E, F, & G
- 74 = Type 4, 7, & 9
- * = Special customer requirements

Accessories

- 10 = 1 N.O. auxiliary contact
- 01 = 1 N.C. auxiliary contact
- 11 = 1 N.O. & 1 N.C. auxiliary contacts
- 22 = 2 N.O. & 2 N.C. auxiliary contacts
- A = Start/Stop pushbuttons
- C = 2 Position selector switch
- D = 3 Position selector switch
- E = Pilot light, "Red/Run"
- N = Neutral terminal
- G = Ground terminal, isolated ①
- U = Service entrance, 3-wire ②
- V = Service entrance, 4-wire
- * = Special customer requirements

Series

Handle type

the appropriate handle is provided for each enclosure in accordance with the application.

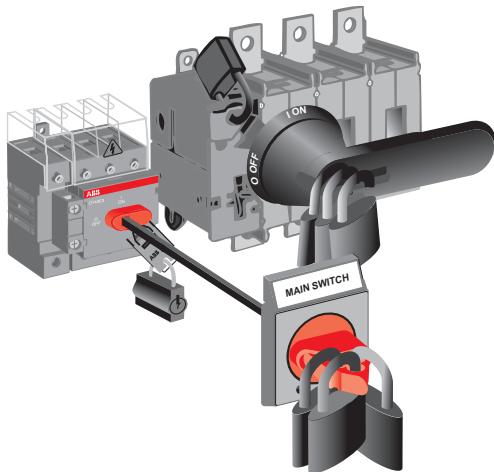
- B_ = black
- Y_ = Red/Yel

Poles or conversion mechanisms

- 2P = 2 poles
- 3P = 3 poles
- 4P = 4 poles
- 6P = 6 poles
- 3T = 3 pole transfer
- 4T = 4 pole transfer
- 3B = 3 pole by-pass
- 3M = 3 pole mechanical interlock

OSHA

Suitable for use as OSHA Lockout/tagout disconnect when applied in accordance with part IV, Department of Labor Occupational Safety and Health Administrations, 29 CFR Part 1910, Control of Hazardous Energy Source (Lockout/Tagout): Final Rule.



Handle and mechanism padlocked OFF

Padlockable

Handles can be padlocked in the "OFF" position with up to three padlocks: Additionally, the switch mechanism can be directly padlocked in the "OFF" position when the door is open. NOTE: Some handles can be ordered with the ability to padlock in both the "ON" & "OFF" positions, please consult your ABB sales office. When the handle is padlocked, the enclosure cannot be opened.

① All enclosed switches are provided with a ground lug. See page 18.143.
② Only for UL 98 switches

General information

Non-fusible and fusible

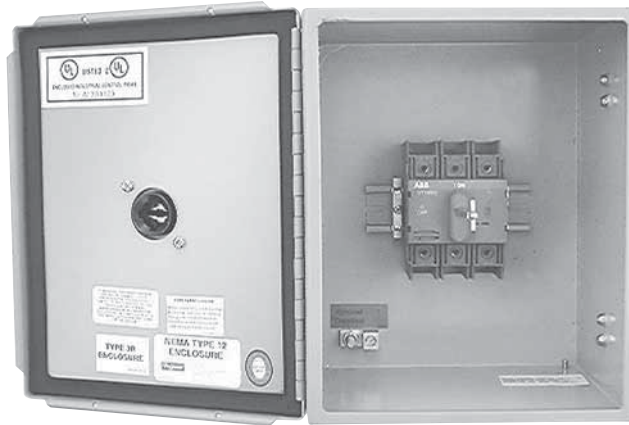
Disconnect
switches
Non-fusible
Enclosed

Non-Fusible

UL Listed to UL 508 and UL 98.
CSA approved
IEC rated
CE marked

Snap on accessories include additional poles, auxiliary contacts, etc.

Enclosures available in plastic, metal, or stainless steel in NEMA 1, 3R, 12, 4X, 7 & 9 environmental categories



Modern appearance

Quick make, quick brake mechanism

Heavy duty disconnect, 600VAC

Extremely compact size

Finger-proof construction. No hazardous exposed parts

3/4/6/8 pole constructions; transfer switches and by-pass switches available

Fusible

UL Listed to UL 98 standards.
CSA approved
IEC rated
CE marked

Snap on accessories include fuse monitors, auxiliary contacts, etc.

Enclosures available in plastic, metal, or stainless steel in NEMA 1, 3R, 12, 4X, 7 & 9 environmental categories

Fuse carriers available for US standards, BS, DIN, NFC standard and for various high speed fuse patterns



Modern appearance

Quick make, quick brake mechanism

Heavy duty disconnect, 600VAC, 200kA, I_{sc}

Extreme compact size as fuse carriers are decked above contacts

Double contacts enabling feed from any direction and preventing back feed

Finger-proof construction. No hazardous exposed parts

3/4/6/8 pole constructions; transfer switches and by-pass switches available

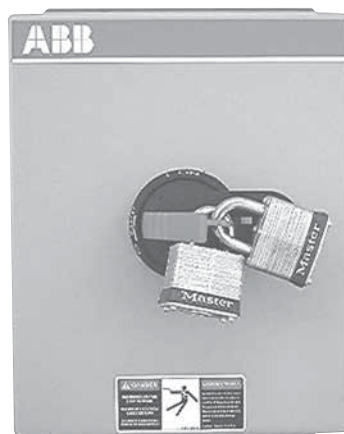
Lockable

Clear position indications:

I-ON
O-OFF

Door interlocked when handle padlocked to OFF position

Handle padlockable with up to three padlocks



Door interlocked when handle is in ON position. Door interlock can be defeated by authorized personnel.

Pilot devices can be added

General information

NEMA Environmental ratings

Introduction

An enclosure is a surrounding case constructed to provide a degree of protection to personnel against accidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.

A brief description of the more common types of enclosures used by the electrical industry relating to their environmental capabilities follows.

Refer to NEMA Standards Publication for more information regarding applications, features and design tests.

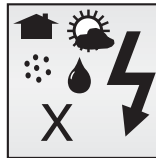
Individual NEMA product Standards Publications or third party certification standards may contain additional requirements for product testing and performance.

Definitions pertaining to nonhazardous locations



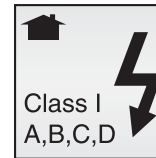
Type 1

Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt. (NEMA Standard 7-15-1991.)



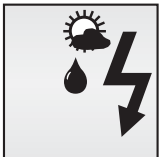
Type 4X

Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation. (NEMA Standard 1-10-1979)



Type 7

Enclosures are intended for indoor use in locations classified as Class I, Groups, A, B, C, or D, as defined in the National Electrical Code. (NEMA Standard 7-15-1991.)



Type 3R

Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet and damage from external ice formation. (NEMA Standard 7-15-1991.)



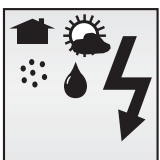
Type 12

Enclosures are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids. (NEMA Standard 7-15-1991.)



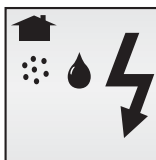
Type 9

Enclosures are intended for indoor use in locations classified as Class II, Groups E, F, or G, as defined in the National Electrical Code. (NEMA Standard 7-15-1991.)



Type 4




Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation. (NEMA Standard 1-10-1979.)



Type 13

Enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil and noncorrosive coolant. (NEMA Standard 1-10-1979.)

Legend

-  – Indoors
-  – Outdoors
-  – Water
-  – Dirt/dust
-  – Corrosion










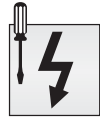
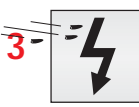











General information

IP Environmental ratings

Disconnect
switches
Non-fusible
Enclosed

IP ratings

indicate the degree of protection against dust, liquids and impacts. The IP degrees of protection are defined by the French standard NFC 20-010. To rate a device's degrees of protection, the letters IP are followed by up to three numbers. These numbers are defined as follows:

first number protection against solid objects	second number protection against liquids	third number protection against mechanical impacts
IP 0  no protection	IP 0  no protection	IP 0  no protection
1  protected against solid objects over 50mm (e.g. accidental touch by hands.)	1  protected against vertically falling rain or condensation	1  impact 0.225 joule 150g falling from 15cm
2  protected against solid objects over 12mm (e.g. fingers)	2  protected against direct sprays of water up to 15° from vertical	2  impact 0.375 joule 250g falling from 15cm
3  protected against solid objects over 2.5mm (tools & wires)	3  protected against sprays to 60° from vertical	3  impact 0.50 joule 250g falling from 20cm
4  protected against solid objects over 1mm (small tools & small wires)	4  protected against water sprayed from all directions	5  impact 2.00 joule 500g falling from 40cm
5  protected against dust (no harmful deposit)	5  protected against low pressure jets of water from all directions	7  impact 6.00 joule 1.5kg falling from 40cm
6  totally protected against dust	6  protected from strong jets of water (e.g. for use on ship decks)	9  impact 20.00 joule 5 kg falling from 40cm
	7  protected against the effects of immersion between 15cm and 1m	

Disconnect
switches
Non-fusible
Enclosed

3 pole 16A – 3150A



NF32X-3PB6C



NF63X-3PB6A

3 Pole, 600V, 16A – 80A Selector handle

		NEMA Enclosure type			
		1	3R	4	4X Stainless
UL general purpose amp rating		Catalog number	Catalog number	Catalog number	Catalog number
UL 508	16	NF161-3PBJC	NF163-3PBJC	Not available with selector handle	Not available with selector handle
	25	NF251-3PBJC	NF253-3PBJC		
	40	NF321-3PBJC	NF323-3PBJC		
	60	NF451-3PBJB	NF453-3PBJB		
	80	NF631-3PBJA	NF633-3PBJA		

3 Pole, 600V, 16A – 3150A Pistol handle

		NEMA Enclosure type			
		1	3R	4	4X Stainless
UL general purpose amp rating		Catalog number	Catalog number	Catalog number	Catalog number
UL 508	16	NF161-3PB6C	NF163-3PB6C	NF164-3PB6A	NF16X-3PB6C ②
	25	NF251-3PB6C	NF253-3PB6C	NF254-3PB6A	NF25X-3PB6C ②
	40	NF321-3PB6C	NF323-3PB6C	NF324-3PB6A	NF32X-3PB6C ②
	60	NF451-3PB6B	NF453-3PB6B	NF454-3PB6B	NF45X-3PB6B
UL 98	80	NF631-3PB6A	NF633-3PB6A	NF634-3PB6A	NF63X-3PB6A
	30	NF301-3PB6B	NF303-3PB6B	NF304-3PB6B	NF30X-3PB6B
	60	NF601-3PB6B	NF603-3PB6B	NF604-3PB6B	NF60X-3PB6B
	100	NF1001-3PB6B	NF1003-3PB6B	NF1004-3PB6B	NF100X-3PB6B
	125	NF1251-3PB6A	NF1253-3PB6A	NF1254-3PB8A	NF125X-3PB8A
	200	NF2001-3PB8B	NF2003-3PB8B	NF2004-3PB8B	NF200X-3PB8B
	400	NF4001-3PB4B	NF4003-3PB4B	NF4004-3PB4B	NF400X-3PB4B
	600	NF6001-3PB4A	NF6003-3PB4A	NF6004-3PB4A	NF600X-3PB4A
	800	NF8001-3PB4A	NF8003-3PB4A	NF8004-3PB4A	NF800X-3PB4A
	1200	NF12001-3PB4A	NF12003-3PB4A	NF12004-3PB4A	NF1200X-3PB4A
	1600	NF16001-3P8A	NF16003-3P8A	NF16004-3P8A	NF1600X-3P8A
	2000	NF20001-3P8A	NF20003-3P8A	NF20004-3P8A	NF2000X-3P8A
3150 ①	NF31501-3P8A	NF31503-3P8A	NF31504-3P8A	NF3150X-3P8A	

NOTE: All enclosed switches are provided with a black handle; however, most handles can be substituted with a red and yellow handle if desired. Please substitute the handle suffix code (2nd and 3rd from last characters) with the red/yellow handle catalog number suffix from page 18.130. There is no additional price adder for changing to a red/yellow handle of equal ratings and style.

EXAMPLE: A red/yellow selector handle for an NF161-3PBJA can be substituted for the black selector handle by using the "YJ" suffix instead of the "BJ" suffix, new catalog #NF161-3PYJA.

① IEC rated only.
② New Washdown.

3 Pole 16A – 3150A

Disconnect
switches
Non-fusible
Enclosed



NF25P-3PY6A



NF16E-3PBJA



NF16E-3PBJB

3 Pole, 600V, 16A – 80A Selector handle

UL general purpose amp rating	NEMA Enclosure type			IEC Enclosure type
	12 Plastic	12	7 & 9	IP65 Plastic
	Catalog number	Catalog number	Catalog number	Catalog number
	16	NF16P-3PBJA	NF162-3PBJC	NF16E-3PBJA NF16E-3PBJB NF25E-3PBJA NF25E-3PBJB NF32E-3PBJA NF32E-3PBJB
	16, oversize	—	—	
	25	NF25P-3PBJA	NF252-3PBJC	
	25, oversize	—	—	
	40	NF32P-3PBJA	NF322-3PBJC	NF45E-3PBJA NF45E-3PBJB
	40, oversize	—	—	
	60	NF45P-3PBJB	NF452-3PBJB	NF63E-3PBJA NF63E-3PBJB
	80	NF63P-3PBJA	NF632-3PBJA	

3 Pole, 600V, 16A – 3150A Pistol handle

UL general purpose amp rating	NEMA Enclosure type			IEC Enclosure type
	4X Plastic	12	7 & 9	IP65 Plastic
	Catalog number	Catalog number	Catalog number	Catalog number
	16	NF16P-3PB6A	NF162-3PB6C	NF16E-3PB4B NF25E-3PB4B NF32E-3PB4B
	25	NF25P-3PB6A	NF252-3PB6C	
	40	NF32P-3PB6A	NF322-3PB6C	
	60	NF45P-3PB6B	NF452-3PB6B	
	80	NF63P-3PB6A	NF632-3PB6A	NF45E-3PB4B NF63E-3PB4B
	30	NF30P-3PB6B	NF302-3PB6B	
60	NF60P-3PB6B	NF602-3PB6B		
100	NF100P-3PB6B	NF1002-3PB6B		
	125	NF125P-3PB8A	NF1252-3PB6A	NF125E-3PB6A —
	200	NF200P-3PB8B	NF2002-3PB8B	
	400	NF400P-3PB4B	NF4002-3PB4B	
	600	NF600P-3PB4A	NF6002-3PB4A	
	800	NF800P-3PB4A	NF8002-3PB4A	— — — —
	1200	NF1200P-3PB4A	NF12002-3PB4A	
	1600	NF1600P-3P8A	NF16002-3P8A	
	2000	NF2000P-3P8A	NF20002-3P8A	
3150 ^②	NF3150P-3P8A	NF31502-3P8A	—	

① Please consult factory for pricing and availability
 ② IEC rated only.

Disconnect
switches
Non-fusible
Enclosed

Switch ratings, handle ratings 16A – 3150A

Switch ratings, 16 – 3150 Amps, 600V

UL General purpose amp rating	Maximum horsepower rating							Wire size for terminal lugs	For wire type	Approval
	Single phase			Three phase						
	120V	200V	240V	200V – 208V	240V	480V	600V			
UL 508 ↑ 16 25 40 ↓	1	2	2	3	5	10	10	#18 – 8	Cu	CSA, UL
	1.5	3	3	7.5	7.5	15	20	#18 – 8	Cu	CSA, UL
	2	5	5	10	10	20	25	#18 – 8	Cu	CSA, UL
UL 98 ↑ 60 80 30 60 100 125 200 400 600 800 1200 1600 2000 3150 ① ↓	2	5	5	15	15	30	30	#14 – 1	Cu	CSA, UL
	2	5	5	20	20	40	40	#14 – 1	Cu	CSA, UL
	2	5	5	10	10	20	30	#14 – 4	Cu	CSA, UL
	3	7.5	7.5	20	20	40	40	#14 – 4	Cu	CSA, UL
	5	15	15	25	30	50	50	#8 – 1/0	Cu	CSA, UL
	7.5	20	20	30	30	75	100	#8 – 1/0	Cu	CSA, UL
	—	—	—	60	75	150	200	#6 – 300 kcmil	Cu	CSA, UL
	—	—	—	100	125	250	350	#2 – 600 kcmil	Cu	CSA, UL
	—	—	—	150	200	400	500	(2) #2 – 600 kcmil	Cu	CSA, UL
	—	—	—	200	250	500	600	(2) #2 – 600 kcmil	Cu/Al	CSA, UL
	—	—	—	—	—	—	—	(4) #2 – 600 kcmil	Cu/Al	CSA, UL
	—	—	—	—	—	—	—	(4) #2 – 600 kcmil	Cu/Al	CSA, UL
—	—	—	—	—	—	—	(8) #2 – 600 kcmil	Cu/Al	CSA, UL	
—	—	—	—	—	—	—	(8) #2 – 600 kcmil	Cu/Al	IEC	

Handle ratings, 16 – 3150 Amps, 600V


Amperage range	Style type	NEMA	Color	Marking	Defeatable	Padlockable	Catalog number suffix	Catalog number
16 – 100	Selector	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	BJ	OHB2AJ
	Selector	1,3R,12	Red/Yel				YJ	OHY2AJ
	Pistol	1,3R,12	Black				B6	OHB65J5
	Pistol	1,3R,12	Red/Yel				Y6	OHY65J5
	Pistol	1,3R,4,4X,12	Black				B6	OHB65L5
	Pistol	1,3R,4,4X,12	Red/Yel				Y6	OHY65L5
125 - 200	Pistol	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	B6	OHB65J6
		1,3R,12	Red/Yel				Y6	OHY65J6
		1,3R,4,4X,12	Black				B8	OHB80L6
		1,3R,4,4X,12	Red/Yel				Y8	OHY80L6
400 – 3150	Pistol	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	B4	OHB145J12
		1,3R,12	Red/Yel				Y4	OHY145J12
		1,3R,12	Black				B7	OHB175J12
		1,3R,12	Red/Yel				Y7	OHY175J12
		1,3R,4,4X,12	Black				B4	OHB145L12
		1,3R,4,4X,12	Red/Yel				Y4	OHY145L12
		1,3R,4,4X,12	Black				B7	OHB175L12
		1,3R,4,4X,12	Red/Yel				Y7	OHY175L12
		1,3R,4,4X,12	Metal				8	YASDA-8
		16 – 200	Pistol				1,3R,12 1,3R,4,4X,12	Black
400	Pistol	1,3R,12 1,3R,4,4X,12	Black	I/O/II	Yes	Yes	B4	OHB145J12E011 OHB145L12E011
400 – 3150	Pistol	1,3R,12	Black	I/O/II	Yes	Yes	B7	OHB175J12E011
	Pistol	1,3R,4,4X,12	Black				B7	OHB175L12E011
	Metallic	1,3R,4,4X,12	Metal				21	YASDA-21
	Metallic	1,3R,4,4X,12	Metal				6	YASDA-6

① IEC rated only.


2 pole 125A – 3150A

Disconnect
switches
Non-fusible
Enclosed

2 Pole, 600V, 125A – 3150A

		NEMA Enclosure type			
		1	3R	4	4X Stainless
UL general purpose amp rating		Catalog number	Catalog number	Catalog number	Catalog number
	125	NF1251-2PB6A	NF1253-2PB6A	NF1254-2PB8A	NF125X-2PB8A
	200	NF2001-2PB8B	NF2003-2PB8B	NF2004-2PB8B	NF200X-2PB8B
	400	NF4001-2PB4B	NF4003-2PB4B	NF4004-2PB4B	NF400X-2PB4B
	600	NF6001-2PB4A	NF6003-2PB4A	NF6004-2PB4A	NF600X-2PB4A
	800	NF8001-2PB4A	NF8003-2PB4A	NF8004-2PB4A	NF800X-2PB4A
	1200	NF12001-2PB4A	NF12003-2PB4A	NF12004-2PB4A	NF1200X-2PB4A
	1600	NF16001-2P8A	NF16003-2P8A	NF16004-2P8A	NF1600X-2P8A
2000	NF20001-2P8A	NF20003-2P8A	NF20004-2P8A	NF2000X-2P8A	
3150	NF31501-2P8A	NF31503-2P8A	NF31504-2P8A	N3150X-2P8A	

2 Pole, 600V, 125A – 3150A

		NEMA Enclosure type	
		4X Plastic	12
UL general purpose amp rating		Catalog number	Catalog number
	125	NF125P-2PB8A	NF1252-2PB6A
	200	NF200P-2PB8B	NF2002-2PB8B
	400	NF400P-2PB4B	NF4002-2PB4B
	600	NF600P-2PB4A	NF6002-2PB4A
	800	NF800P-2PB4A	NF8002-2PB4A
	1200	NF1200P-2PB4A	NF12002-2PB4A
	1600	NF1600P-2P8A	NF16002-2P8A
2000	NF2000P-2P8A	NF20002-2P8A	
3150 ①	NF3150P-2P8A	NF31502-2P8A	



16A – 100A switches are not available in 2 pole versions, use 3 pole.

① IEC rated only.



Disconnect
switches
Non-fusible
Enclosed

4 pole 16A – 3150A

4 Pole, 600V, 16A – 3150A

		NEMA Enclosure type				
		1	3R	4	4X Stainless	
UL general purpose amp rating		Catalog number	Catalog number	Catalog number	Catalog number	
UL508		16	NF161-4PB6C	NF163-4PB6C	NF164-4PB6A	NF16X-4PB6C
		25	NF251-4PB6C	NF253-4PB6C	NF254-4PB6A	NF25X-4PB6C
		40	NF321-4PB6C	NF323-4PB6C	NF324-4PB6A	NF32X-4PB6C
		60	NF451-4PB6B	NF453-4PB6B	NF454-4PB6B	NF45X-4PB6B
UL98		80	NF631-4PB6A	NF633-4PB6A	NF634-4PB6A	NF63X-4PB6A
		30	NF301-4PB6B	NF303-4PB6B	NF304-4PB6B	NF30X-4PB6B
		60	NF601-4PB6B	NF603-4PB6B	NF604-4PB6B	NF60X-4PB6B
		100	NF1001-4PB6B	NF1003-4PB6B	NF1004-4PB6B	NF100X-4PB6B
		125	NF1251-4PB6A	NF1253-4PB6A	NF1254-4PB6A	NF125X-4PB8A
		200	NF2001-4PB8B	NF2003-4PB8B	NF2004-4PB8B	NF200X-4PB8B
		400	NF4001-4PB4B	NF4003-4PB4B	NF4004-4PB4B	NF400X-4PB4B
		600	NF6001-4PB4A	NF6003-4PB4A	NF6004-4PB4A	NF600X-4PB4A
		800	NF8001-4PB4A	NF8003-4PB4A	NF8004-4PB4A	NF800X-4PB4A
		1200	NF12001-4PB4A	NF12003-4PB4A	NF12004-4PB4A	NF1200X-4PB4A
		1600	NF16001-4P8A	NF16003-4P8A	NF16004-4P8A	NF1600X-4P8A
		2000	NF20001-4P8A	NF20003-4P8A	NF20004-4P8A	NF2000X-4P8A
3150 ①	NF31501-4P8A	NF31503-4P8A	NF31504-4P8A	NF3150X-4P8A		

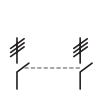
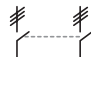
4 Pole, 600V, 16A – 3150A

		NEMA Enclosure type				
		4X Plastic	12	7 & 9	IP65 Plastic	
UL general purpose amp rating		Catalog number	Catalog number	Catalog number	Catalog number	
UL508		16	NF16P-4PB6A	NF162-4PB6C	NF167-4P	NF16E-4PBJB
		25	NF25P-4PB6A	NF252-4PB6C	NF257-4P	NF25E-4PBJB
		40	NF32P-4PB6A	NF322-4PB6C	NF327-4P	NF32E-4PBJB
		60	NF45P-4PB6B	NF452-4PB6B	NF457-4P	NF45E-4PBJA
UL-98		80	NF63P-4PB6A	NF632-4PB6A	NF637-4P	NF63E-4PBJA
		30	NF30P-4PB6B	NF302-4PB6B	NF307-4P	NF30E-4PB4B
		60	NF60P-4PB6B	NF602-4PB6B	NF607-4P	NF60E-4PB4B
		100	NF100P-4PB6B	NF1002-4PB6B	NF1007-4P	NF100E-4PB4B
		125	NF125P-4PB8A	NF1252-4PB6A	—	—
		200	NF200P-4PB8B	NF2002-4PB8B	—	—
		400	NF400P-4PB4B	NF4002-4PB4B	—	—
		600	NF600P-4PB4A	NF6002-4PB4A	—	—
		800	NF800P-4PB4A	NF8002-4PB4A	—	—
		1200	NF1200P-4PB4A	NF12002-4PB4A	—	—
		1600	NF1600P-4P8A	NF16002-4P8A	—	—
		2000	NF2000P-4P8A	NF20002-4P8A	—	—
3150 ①	NF3150P-4P8A	NF31502-4P8A	—	—		

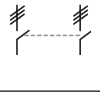
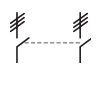
6 pole 16A – 1200A

Disconnect
switches
Non-fusible
Enclosed

6 Pole, 600V, 16A – 1200A

UL general purpose amp rating		NEMA Enclosure type			
		1	3R	4	4X Stainless
UL508 	16	NF161-6PB6C	NF163-6PB6C	NF164-6PB6A	NF16X-6PB6C
	25	NF251-6PB6C	NF253-6PB6C	NF254-6PB6A	NF25X-6PB6C
	40	NF321-6PB6C	NF323-6PB6C	NF324-6PB6A	NF32X-6PB6C
	60	NF451-6PB6B	NF453-6PB6B	NF454-6PB6B	NF45X-6PB6B
UL98 	80	NF631-6PB6A	NF633-6PB6A	NF634-6PB6A	NF63X-6PB6A
	30	NF301-6PB6B	NF303-6PB6B	NF304-6PB6B	NF30X-6PB6B
	60	NF601-6PB6B	NF603-6PB6B	NF604-6PB6B	NF60X-6PB6B
	100	NF1001-6PB6B	NF1003-6PB6B	NF1004-6PB6B	NF100X-6PB6B
	125	NF1251-6PB2A	NF1253-6PB2A	NF1254-6PB4A	NF125X-6PB4A
	200	NF2001-6PB4B	NF2003-6PB4B	NF2004-6PB4B	NF200X-6PB4B
	400	NF4001-6P8B	NF4003-6P8B	NF4004-6P8B	NF400X-6P8B
	600	NF6001-6P8A	NF6003-6P8A	NF6004-6P8A	NF600X-6P8A
800	NF8001-6P8A	NF8003-6PB4A	NF8004-6P8A	NF800X-6P8A	
1200	NF12001-6P8A	NF12003-6PB4A	NF12004-6P8A	NF1200X-6P8A	

6 Pole, 600V, 16A – 1200A

UL general purpose amp rating		NEMA Enclosure type			
		4X Plastic	12	7 & 9	IP65 Plastic
UL508 	16	NF16P-6PB6A	NF162-6PB6C	NF167-6P	NF16E-6PB6B
	25	NF25P-6PB6A	NF252-6PB6C	NF257-6P	NF25E-6PB6B
	40	NF32P-6PB6A	NF322-6PB6C	NF327-6P	NF32E-6PB6B
	60	NF45P-6PB6B	NF452-6PB6B	NF457-6P	NF45E-6PB6B
UL98 	80	NF63P-6PB6A	NF632-6PB6A	NF637-6P	NF63E-6PB6B
	30	NF30P-6PB6B	NF302-6PB6B	—	NF30E-6PB6B
	60	NF60P-6PB6B	NF602-6PB6B	—	NF60E-6PB6B
	100	NF100P-6PB6B	NF1002-6PB6B	—	NF100E-6PB6B
	125	NF125P-6PB4A	NF1252-6PB4A	—	—
	200	NF200P-6PB4B	NF2002-6PB4B	—	—
	400	NF400P-6P8B	NF4002-6P8B	—	—
	600	NF600P-6P8A	NF6002-6P8A	—	—
800	NF800P-6P8A	NF8002-6P8A	—	—	
1200	NF1200P-6P8A	NF12002-6P8A	—	—	

①  = Three poles

**Disconnect
switches**
Non-fusible
Enclosed

3 pole transfer switches 16A – 1200A

3 Pole, 600V, 16A – 1200A

NEMA Enclosure type

UL general purpose amp rating		1		3R		4		4X Stainless		
		Catalog number		Catalog number		Catalog number		Catalog number		
UL508		16	NF161-3TB8A	NF163-3TB8A	NF164-3TB8A	NF16X-3TB8A	NF251-3TB8A	NF253-3TB8A	NF254-3TB8A	NF25X-3TB8A
		25	NF251-3TB8A	NF253-3TB8A	NF254-3TB8A	NF321-3TB8A	NF322-3TB8A	NF323-3TB8A	NF324-3TB8A	NF32X-3TB8A
		40	NF321-3TB8A	NF322-3TB8A	NF323-3TB8A	NF324-3TB8A	NF32X-3TB8A			
UL98		60	NF451-3TB8B	NF453-3TB8B	NF454-3TB8B	NF45X-3TB8B	NF601-3TB8B	NF603-3TB8B	NF604-3TB8B	NF60X-3TB8B
		80	NF631-3TB8A	NF633-3TB8A	NF634-3TB8A	NF63X-3TB8A	NF301-3TB8B	NF303-3TB8B	NF304-3TB8B	NF30X-3TB8B
		30	NF301-3TB8B	NF303-3TB8B	NF304-3TB8B	NF30X-3TB8B	NF601-3TB8B	NF603-3TB8B	NF604-3TB8B	NF60X-3TB8B
		60	NF601-3TB8B	NF603-3TB8B	NF604-3TB8B	NF60X-3TB8B	NF1001-3TB8B	NF1003-3TB8B	NF1004-3TB8B	NF100X-3TB8B
		100	NF1001-3TB8B	NF1003-3TB8B	NF1004-3TB8B	NF100X-3TB8B	NF1251-3TB8A	NF1253-3TB8A	NF1254-3TB8A	NF125X-3TB8A
		125	NF1251-3TB8A	NF1253-3TB8A	NF1254-3TB8A	NF125X-3TB8A	NF2001-3TB4B	NF2003-3TB4B	NF2004-3TB4B	NF200X-3TB4B
		200	NF2001-3TB4B	NF2003-3TB4B	NF2004-3TB4B	NF200X-3TB4B	NF4001-3TB4B	NF4003-3TB4B	NF4004-3TB4B	NF400X-3TB4B
		400	NF4001-3TB4B	NF4003-3TB4B	NF4004-3TB4B	NF400X-3TB4B	NF6001-3TB4A	NF6003-3TB4A	NF6004-3TB4A	NF600X-3TB4A
		600	NF6001-3TB4A	NF6003-3TB4A	NF6004-3TB4A	NF600X-3TB4A	NF8001-3TB4A	NF8003-3TB4A	NF8004-3TB4A	NF800X-3TB4A
		800	NF8001-3TB4A	NF8003-3TB4A	NF8004-3TB4A	NF800X-3TB4A	NF12001-3TB4A	NF12003-3TB4A	NF12004-3TB4A	NF1200X-3TB4A
1200	NF12001-3TB4A	NF12003-3TB4A	NF12004-3TB4A	NF1200X-3TB4A						

3 Pole, 600V, 16A – 1200A

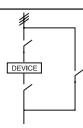
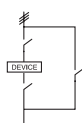
NEMA Enclosure type

UL general purpose amp rating		4X Plastic		12	
		Catalog number		Catalog number	
UL508		16	NF16P-3TB8A	NF162-3TB8A	NF162-3TB8A
		25	NF25P-3TB8A	NF252-3TB8A	NF252-3TB8A
		40	NF32P-3TB8A	NF322-3TB8A	NF322-3TB8A
UL 98		60	NF45P-3TB8B	NF452-3TB8B	NF452-3TB8B
		80	NF63P-3TB8A	NF632-3TB8A	NF632-3TB8A
		30	NF30P-3TB8B	NF302-3TB8B	NF302-3TB8B
		60	NF60P-3TB8B	NF602-3TB8B	NF602-3TB8B
		100	NF100P-3TB8B	NF1002-3TB8B	NF1002-3TB8B
		125	NF125P-3TB8A	NF1252-3TB8A	NF1252-3TB8A
		200	NF200P-3TB4B	NF2002-3TB4B	NF2002-3TB4B
		400	NF400P-3TB4B	NF4002-3TB4B	NF4002-3TB4B
		600	NF600P-3TB4A	NF6002-3TB4A	NF6002-3TB4A
		800	NF800P-3TB4A	NF8002-3TB4A	NF8002-3TB4A
1200	NF1200P-3TB4A	NF12002-3TB4A	NF12002-3TB4A		

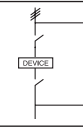
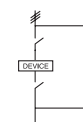
3 pole bypass switches 16A – 1200A

Disconnect
switches
Non-fusible
Enclosed

3 Pole, 600V, 16A – 1200A

		NEMA Enclosure type				
		1	3R	4	4X Stainless	
UL general purpose amp rating		Catalog number	Catalog number	Catalog number	Catalog number	
UL508		16	NF161-3BB8A	NF163-3BB8A	NF164-3BB8A	NF16X-3BB8A
		25	NF251-3BB8A	NF253-3BB8A	NF254-3BB8A	NF25X-3BB8A
		40	NF321-3BB8A	NF323-3BB8A	NF324-3BB8A	NF32X-3BB8A
		80	NF631-3BB8A	NF633-3BB8A	NF634-3BB8A	NF63X-3BB8A
UL98		30	NF301-3BB8B	NF303-3BB8B	NF304-3BB8B	NF30X-3BB8B
		60	NF601-3BB8B	NF603-3BB8B	NF604-3BB8B	NF60X-3BB8B
		100	NF1001-3BB8B	NF1003-3BB8B	NF1004-3BB8B	NF100X-3BB8B
		125	—	—	—	—
	200	—	—	—	—	
	400	NF4001-3B6B	NF4003-3B6B	NF4004-3B6B	NF400X-3B6B	
	600	NF6001-3B6A	NF6003-3B6A	NF6004-3B6A	NF600X-3B6A	
	1200	NF12001-3B6A	NF12003-3B6A	NF12004-3B6A	NF1200X-3B6A	

3 Pole, 600V, 16A – 1200A



		NEMA Enclosure type	
		4X Plastic	12
UL general purpose amp rating		Catalog number	Catalog number
UL508		16	NF16P-3BB8A
		25	NF25P-3BB8A
		40	NF32P-3BB8A
		80	NF63P-3BB8A
UL98		30	NF30P-3BB8B
		60	NF60P-3BB8B
		100	NF100P-3BB8B
		125	—
	200	—	
	400	NF400P-3B6B	
	600	NF600P-3B6A	
	1200	NF1200P-3B6A	

Disconnect
switches
Non-fusible
Enclosed

3 pole mechanically interlocked switches 16A – 1200A



3 Pole, 600V, 16A – 1200A

NEMA Enclosure type

UL general purpose amp rating		NEMA Enclosure type			
		1	3R	4	4X Stainless
		Catalog number	Catalog number	Catalog number	Catalog number
UL508 	16	NF161-3MB6A	NF163-3MB6A	NF164-3MB6A	NF16X-3MB6A
	25	NF251-3MB6A	NF253-3MB6A	NF254-3MB6A	NF25X-3MB6A
	40	NF321-3MB6A	NF323-3MB6A	NF324-3MB6A	NF32X-3MB6A
	60	NF451-3MB6B	NF453-3MB6B	NF454-3MB6B	NF45X-3MB6B
	80	NF631-3MB6A	NF633-3MB6A	NF634-3MB6A	NF63X-3MB6A
UL98 	30	NF301-3MB6B	NF303-3MB6B	NF304-3MB6B	NF30X-3MB6B
	60	NF601-3MB6B	NF603-3MB6B	NF604-3MB6B	NF60X-3MB6B
	100	NF1001-3MB6B	NF1003-3MB6B	NF1004-3MB6B	NF100X-3MB6B
	125	NF1251-3MB6A	NF1253-3MB6A	NF1254-3MB8A	NF125X-3MB8A
	200	NF2001-3MB8B	NF2003-3MB8B	NF2004-3MB8B	NF200X-3MB8B
	400	NF4001-3MB4B	NF4003-3MB4B	NF4004-3MB4B	NF400X-3MB4B
	600	NF6001-3MB4A	NF6003-3MB4A	NF6004-3MB4A	NF600X-3MB4A
	800	NF8001-3MB4A	NF8003-3MB4A	NF8004-3MB4A	NF800X-3MB4A
	1200	NF12001-3MB4A	NF12003-3MB4A	NF12004-3MB4A	NF1200X-3MB4A

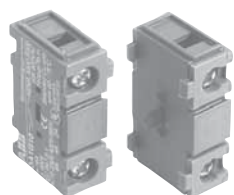
3 Pole, 600V, 16A – 1200A

NEMA Enclosure type

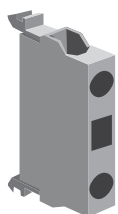
UL general purpose amp rating		NEMA Enclosure type	
		4X Plastic	12
		Catalog number	Catalog number
UL508 	16	NF16P-3MB6A	NF162-3MB6A
	25	NF25P-3MB6A	NF252-3MB6A
	40	NF32P-3MB6A	NF322-3MB6A
	60	NF45P-3MB6B	NF452-3MB6B
	80	NF63P-3MB6A	NF632-3MB6A
UL 98 	30	NF30P-3MB6B	NF302-3MB6B
	60	NF60P-3MB6B	NF602-3MB6B
	100	NF100P-3MB6B	NF1002-3MB6B
	125	NF125P-3MB8A	NF1252-6PB6A
	200	NF200P-3MB8B	NF2002-3MB8B
	400	NF400P-3MB4B	NF4002-3MB4B
	600	NF600P-3MB4A	NF6002-3MB4A
	800	NF800P-3MB4A	NF8002-3MB4A
	1200	NF1200P-3MB4A	NF12002-3MB4A

Accessories ①

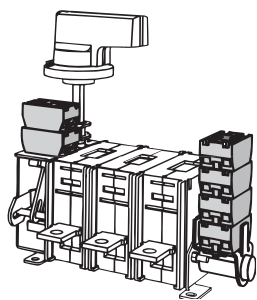
Disconnect
switches
Non-fusible
Enclosed



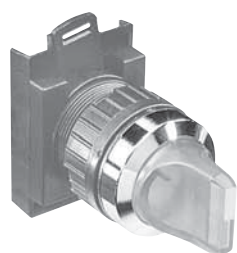
OA1G_



OBEA_



OZXK_



3 Position selector switch



Pilot light

Auxiliary contacts

For use on:	Contact configuration	Catalog number	Installation suffix
16A – 100A	1 N.O. 1 N.C. 1 N.O. & 1 N.C.	OA1G10 OA1G01 OA2G11	add "10" suffix add "01" suffix add "11" suffix
125A	1 N.O. 1 N.C.	OBEA10 OBEA01	add "10" suffix add "01" suffix
200A	1 N.O. & 1 N.C. 2 N.O. & 2 N.C.	OZXK-12 OZXK-13	add "11" suffix add "22" suffix
400A – 3150A	1 N.O. & 1 N.C. 2 N.O. & 2 N.C.	OZXK-1 OZXK-2	add "11" suffix add "22" suffix

Accessories ①

For use on:	Description	Installation suffix
OT16, 25,32 OT45, 63 OT30, 60, 100 OT160	Neutral or isolated ground block	N or G
200A – 1200A 1600A – 3150A	Neutral or isolated ground block	N or G
	Neutral or isolated ground block	N or G
	Neutral block	N or G
	Neutral block	N
	Neutral block	N
30A – 1200A	Service entrance, 3 wire	U
30A – 1200A	Service entrance, 4 wire	V
16A – 3150A	Start/stop pushbuttons	A
	2 position selector switch	C
	3 position selector switch	D
	Pilot light "red/run"	E
	Ammeter 1 phase ②	AM
	Voltmeter ②	VM

Ground lugs

All enclosed switches are provided with a standard integral ground lug.

Switch size	Ground lug Wire size
16A – 100A	(2) #14
200A – 400A	#6 – 250 mcm
600A – 1200A	#2 – 600 mcm
2000A – 3150A	(2) #2 – 600 mcm

① Please consult factory for special customer requirements.

② Current transformers included.

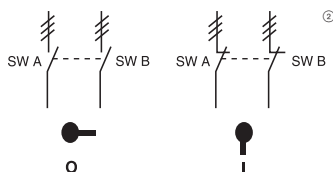
Technical data

Other configuration descriptions

Conversion mechanisms

6 or 8 pole

6 (8) pole mechanism allows two switches controlled by one handle to open or close simultaneously.

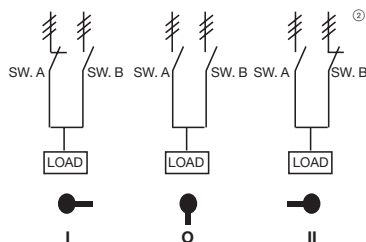


	POS. O	POS. I
SW. A	O	X
SW. B	O	X

X = Closed
O = Open

Transfer^①

Transfer mechanism manually transfers between two power sources using two switches and a center "OFF" position.

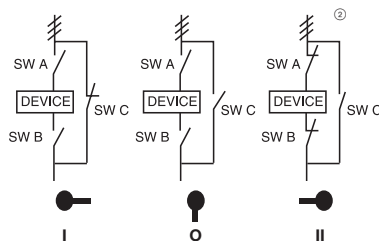


	POS. I	POS. O	POS. II
SW. A	X	O	O
SW. B	O	O	X

X = Closed
O = Open

Bypass^①

Bypass mechanism operates three switches: Two switches in series and one changeover switch to allow power bypass.

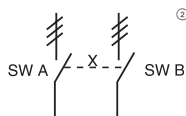


	POS. I	POS. O	POS. II
SW. A	O	O	X
SW. B	O	O	X
SW. C	X	O	O

X = Closed
O = Open

Mechanical interlock

Mechanical interlock mechanism prevents both switches from being in the ON position at the same time.



	SW. A POS. I	SW. B POS. O
SW. A	X	O
SW. B	O	X

X = Closed
O = Open

^① Transfer and bypass enclosed switches include the load side bussed or cabled together, and all switches come standard with ground lugs.

^② = Three poles

Approximate dimensions 2, 3, & 4 Pole ③ 16A – 3150A NF

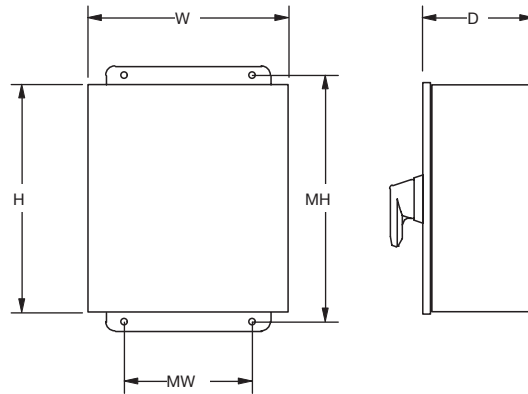
**Disconnect
switches
Non-fusible
Enclosed**

Non-Fusible

Frame size	Enclosure type	H height	W width	D depth	MH mtg. height	MW mtg. width	Weight
OT16 OT25 OT32	1	7.0	5.0	3.0	4.0	4.0	4.0
	3R	7.0	5.0	3.0	7.75	3.0	4.0
	4	6.0	6.0	4.0	6.75	4.0	4.0
	4X SS	7.0	5.0	3.0	7.75	3.0	4.0
	4X Plastic	6.0	6.0	5.9	6.75	4.0	4.0
	12	7.0	5.0	3.0	7.75	3.0	4.0
	IP65 (A)	4.8	3.4	2.4	4.17	2.80	1.0
IP65 (B)	5.9	5.1	2.4	5.35	4.57	1.0	
OT45 OT63 OT30 OT60	1	8.0	6.0	4.0	7.0	5.0	6.0
	3R	8.0	6.0	4.0	8.75	4.0	6.0
	4	8.0	6.0	4.0	8.75	4.0	6.0
	4X SS	8.0	6.0	4.0	8.75	4.0	6.0
	4X Plastic	8.0	6.0	5.9	8.75	4.0	6.0
	12	8.0	6.0	4.0	8.75	4.0	6.0
	IP65 (A)	7.9	5.7	3.6	7.24	5.16	4.0
IP65 (B)	15.8	7.9	5.5	14.8	6.93	4.0	
OT100	1	10.0	8.0	6.0	7.0	7.0	9.0
	3R	10.0	8.0	6.0	10.75	6.0	9.0
	4	10.0	8.0	6.0	10.75	6.0	9.0
	4X SS	10.0	8.0	6.0	10.75	6.0	9.0
	4X Plastic	10.0	8.0	5.9	10.75	6.0	9.0
	12	10.0	8.0	6.0	10.75	6.0	9.0
	IP65 (A)	7.9	5.7	3.6	7.24	5.16	4.0
IP65 (B)	15.8	7.9	5.5	14.8	6.93	4.0	
OT160	1	14.0	12.0	8.0	11.0	9.0	20
	3R	14.0	12.0	8.0	14.75	10.0	20
	4	14.0	12.0	8.0	14.75	10.0	20
	4X SS	14.0	12.0	8.0	14.75	10.0	20
	4X Plastic	14.0	12.0	8.0	14.75	10.0	12
	12	14.0	12.0	8.0	14.75	10.0	20

Frame size	Enclosure type	H height	W width	D depth	mtg. height	MW mtg. width	Weight
OT200	1	24.0	16.0	8.0	25.5	14.5	50
	3R	24.0	16.0	8.0	25.5	14.5	50
	4	24.0	16.0	8.0	25.5	14.5	50
	4X SS	24.0	16.0	8.0	25.5	14.5	50
	4X Plastic	24.0	16.0	10.0	25.5	14.5	40
	12	24.0	16.0	8.0	25.5	14.5	50
OT400 – OETL-NF600	1	44.0	22.0	11.0	45.5	20.5	120
	3R	44.0	22.0	11.0	45.5	20.5	120
	4	1	1	1	1	1	1
	4X SS	42.0	36.0	12.0	43.5	34.5	130
	4X Plastic	1	1	1	1	1	1
OETL-NF800A OETL-NF1200	1	60.0	36.0	12.0	61.5	34.5	200
	3R	60.0	36.0	12.0	61.5	34.5	200
	4	60.0	36.0	12.0	61.5	34.5	200
	4X SS	60.0	36.0	12.0	61.5	34.5	200
	4X Plastic	1	1	1	1	1	1
OETL-NF1600 OETL-NF2000 OETL-NF3150	1	90.0	36.0	24.0	(2)	(2)	600
	3R	90.0	36.0	24.0	(2)	(2)	600
	4	1	1	1	1	1	1
	4X SS	1	1	1	1	1	1
	4X Plastic	1	1	1	1	1	1
12	90.0	36.0	24.0	2	2	600	

- 1 Please consult factory, enclosures are sized to suit specific customer needs.
- 2 Enclosure is free standing.
- 3 Some 4-pole switches require larger enclosures. Please consult factory.



Disconnect
switches
Non-fusible
Enclosed

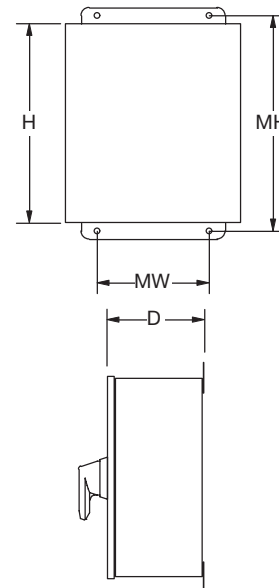
Approximate dimensions for enclosed 6-pole transfer & mechanical interlock switches 16A – 3150A NF

Non-fusible – 6 Pole

Frame size	Enclosure type	H height	W width	D depth	MH mtg. height	MW mtg. width	Weight (lbs.)
OT16 OT25 OT32	1	7.0	5.0	3.0	4.0	4.0	4.0
	3R	7.0	5.0	3.0	7.75	3.0	4.0
	4	6.0	6.0	4.0	6.75	4.0	4.0
	4X SS	7.0	5.0	3.0	7.75	3.0	4.0
	4X Plastic	6.0	6.0	5.9	6.75	4.0	4.0
	12	7.0	5.0	3.0	7.75	3.0	4.0
	IP65 (A)	5.9	5.1	3.4	5.35	4.57	1.2
IP65 (B)	–	–	–	–	–	–	
OT45 OT63	1	10.0	8.0	5.0	7.0	7.0	6.0
	3R	10.0	8.0	5.0	10.75	6.0	6.0
	4	10.0	8.0	6.0	10.75	6.0	6.0
	4X SS	10.0	8.0	5.0	10.75	6.0	6.0
	4X Plastic	10.0	8.0	7.9	10.75	6.0	6.0
	12	10.0	8.0	5.0	10.75	6.0	6.0
	IP65 (A)	7.9	5.7	4.0	7.18	5.10	1.5
IP65 (B)	–	–	–	–	–	–	
OT30 OT60 OT100	1	10.0	8.0	5.0	7.0	7.0	9.0
	3R	10.0	8.0	5.0	10.75	6.0	9.0
	4	10.0	8.0	6.0	10.75	6.0	9.0
	4X SS	10.0	8.0	5.0	10.75	6.0	9.0
	4X Plastic	10.0	8.0	7.9	0.0	0.0	9.0
	12	10.0	8.0	5.0	10.75	6.0	9.0
	IP65 (A)	–	–	–	–	–	–
IP65 (B)	–	–	–	–	–	–	
OT160	1	14.0	12.0	8.0	11.0	9.0	20
	3R	14.0	12.0	8.0	14.75	10.0	20
	4	14.0	12.0	8.0	14.75	10.0	20
	4X SS	14.0	12.0	8.0	14.75	10.0	20
	4X Plastic	14.0	12.0	8.0	0.0	0.0	20
	12	14.0	12.0	8.0	14.75	10.0	20
OT200	3R	24.0	24.0	10.0	25.5	22.5	60
	4	24.0	24.0	10.0	25.5	22.5	60
	4X SS	24.0	24.0	10.0	25.5	22.5	60
	4X Plastic	24.0	16.0	10.0	25.5	22.5	60
	12	24.0	24.0	10.0	25.5	22.5	60
OT400 – OETL-NF600A	1	48.0	36.0	12.0	49.5	34.5	160
	3R	48.0	36.0	12.0	49.5	34.5	160
	4	48.0	36.0	12.0	49.5	34.5	160
	4X SS	48.0	36.0	12.0	49.5	34.5	160
	4X Plastic	①	①	①	①	①	①
	12	48.0	36.0	12.0	49.5	34.5	160
OETL-NF800A OETL-NF1200	1	60.0	36.0	12.0	61.5	34.5	240
	3R	60.0	36.0	12.0	61.5	34.5	240
	4	60.0	36.0	12.0	61.5	34.5	240
	4X SS	60.0	36.0	12.0	61.5	34.5	240
	4X Plastic	①	①	①	①	①	①
	12	60.0	36.0	12.0	61.5	34.5	240
OETL-NF1600 OETL-NF2000 OETL-NF3150	1	90.0	36.0	24.0	②	②	600
	3R	90.0	36.0	24.0	②	②	600
	4	①	①	①	①	①	①
	4X SS	①	①	①	①	①	①
	4X Plastic	①	①	①	①	①	①
	12	90.0	36.0	24.0	②	②	600

Transfer and mechanical interlock

Frame size	Enclosure type	H height	W width	D depth	MH mtg. height	MW mtg. width	Weight (lbs.)
OT16 OT25 OT32	1	6.0	6.0	4.0	3.0	5.0	4.0
	3R	6.0	6.0	4.0	6.75	4.0	4.0
	4	6.0	6.0	4.0	6.75	4.0	4.0
	4X SS	6.0	6.0	4.0	6.75	4.0	4.0
	4X Plastic	6.0	6.0	5.9	6.75	4.0	4.0
	12	6.0	6.0	4.0	6.75	4.0	4.0
	IP65 (A)	5.9	5.1	3.4	5.35	4.57	1.2
IP65 (B)	–	–	–	–	–	–	
OT45 OT63	1	10.0	8.0	5.0	7.0	7.0	6.0
	3R	10.0	8.0	5.0	10.75	6.0	6.0
	4	10.0	8.0	6.0	10.75	6.0	6.0
	4X SS	10.0	8.0	5.0	10.75	6.0	6.0
	4X Plastic	10.0	8.0	7.9	10.75	6.0	6.0
	12	10.0	8.0	5.0	10.75	6.0	6.0
	IP65 (A)	7.9	5.7	4.0	7.18	5.10	1.5
IP65 (B)	–	–	–	–	–	–	
OT30 OT60 OT100	1	10.0	8.0	5.0	7.0	7.0	9.0
	3R	10.0	8.0	5.0	10.75	6.0	9.0
	4	10.0	8.0	6.0	10.75	6.0	9.0
	4X SS	10.0	8.0	5.0	10.75	6.0	9.0
	4X Plastic	10.0	8.0	7.9	0.0	0.0	9.0
	12	10.0	8.0	5.0	10.75	6.0	9.0
	IP65 (A)	–	–	–	–	–	–
IP65 (B)	–	–	–	–	–	–	
OT160	1	14.0	12.0	8.0	11.0	9.0	20
	3R	14.0	12.0	8.0	14.75	10.0	20
	4	14.0	12.0	8.0	14.75	10.0	20
	4X SS	14.0	12.0	8.0	14.75	10.0	20
	4X Plastic	14.0	12.0	8.0	0.0	0.0	20
	12	14.0	12.0	8.0	14.75	10.0	20
OT200	3R	24.0	24.0	10.0	25.5	22.5	60
	4	24.0	24.0	10.0	25.5	22.5	60
	4X SS	24.0	24.0	10.0	25.5	22.5	60
	4X Plastic	24.0	16.0	10.0	25.5	22.5	60
	12	24.0	24.0	10.0	25.5	22.5	60
OT400 – OETL-NF600A	1	48.0	36.0	12.0	49.5	34.5	160
	3R	48.0	36.0	12.0	49.5	34.5	160
	4	48.0	36.0	12.0	49.5	34.5	160
	4X SS	48.0	36.0	12.0	49.5	34.5	160
	4X Plastic	①	①	①	①	①	①
	12	48.0	36.0	12.0	49.5	34.5	160
OETL-NF800A OETL-NF1200	1	60.0	36.0	12.0	61.5	34.5	240
	3R	60.0	36.0	12.0	61.5	34.5	240
	4	60.0	36.0	12.0	61.5	34.5	240
	4X SS	60.0	36.0	12.0	61.5	34.5	240
	4X Plastic	①	①	①	①	①	①
	12	60.0	36.0	12.0	61.5	34.5	240
OETL-NF1600 OETL-NF2000 OETL-NF3150	1	90.0	36.0	24.0	②	②	600
	3R	90.0	36.0	24.0	②	②	600
	4	①	①	①	①	①	①
	4X SS	①	①	①	①	①	①
	4X Plastic	①	①	①	①	①	①
	12	90.0	36.0	24.0	②	②	600



① Please consult factory; enclosures can be custom sized to suit specific needs
② Enclosure is free standing.

① Please consult factory; enclosures can be custom sized to suit specific needs
② Enclosure is free standing.

3 Pole 30A – 800A

Disconnect
switches
Fusible
Enclosed




FJ30X-3PB6B




3 Pole^①, 600V, 30A – 800A

NEMA Enclosure type

UL general purpose amp rating	Fuse type	NEMA Enclosure type				
		1	3R	4	4X Stainless	
		Catalog number	Catalog number	Catalog number	Catalog number	
	30	J	FJ301-3PB6B	FJ303-3PB6B	FJ304-3PB6B	FJ30X-3PB6B
	30	CC	FC301-3PB6B	FC303-3PB6B	FC304-3PB6B	FC30X-3PB6B
	60	J ^②	FJ601-3PB6B	FJ603-3PB6B	FJ604-3PB8B	FJ60X-3PB8B
	100	J ^②	FJ1001-3PB8B	FJ1003-3PB8B	FJ1004-3PB8B	FJ100X-3PB8B
	200	J ^②	FJ2001-3PB8C	FJ2003-3PB8C	FJ2004-3PB8C	FJ200X-3PB8C
	400	J ^②	FJ4001-3PB4B	FJ4003-3PB4B	FJ4004-3PB4B	FJ400X-3PB4B
	600	J ^②	FJ6001-3PB4B	FJ6003-3PB4B	FJ6004-3PB4B	FJ600X-3PB4B
	800	L	FL8001-3PB4B	FL8003-3PB4B	FL8004-3PB4B	FL800X-3PB4B

3 Pole^①, 600V, 30A – 800A

NEMA Enclosure type

UL general purpose amp rating	Fuse type	NEMA Enclosure type		
		4X Plastic	12	
		Catalog number	Catalog number	
	30	J	FJ30P-3PB6B	FJ302-3PB6B
	30	CC	FC30P-3PB6B	FC302-3PB6B
	60	J ^②	FJ60P-3PB8B	FJ602-3PB6B
	100	J ^②	FJ100P-3PB8B	FJ1002-3PB8B
	200	J ^②	FJ200P-3PB8C	FJ2002-3PB8C
	400	J ^②	FJ400P-3PB4B	FJ4002-3PB4B
	600	J ^②	FJ600P-3PB4B	FJ6002-3PB4B
	800	L	FL800P-3PB4B	FL8002-3PB4B

NOTE: All enclosed switches are provided with a black handle; however, most handles can be substituted with a red / yellow handle if desired. Please substitute the handle suffix code (2nd and 3rd from last characters) with the red/yellow handle catalog number suffix from page 18.130. There is no additional price adder for changing to a red/yellow handle of equal ratings and style.

EXAMPLE: A red/yellow pistol handle for an FJ301-3PB6B can be substituted for the black pistol handle by using the "Y6" suffix instead of the "B6" suffix, new catalog number: FJ301-3PY6B.

① Fusible switches are UL listed to the UL98 standard.

② 600V T type fuse clips may be substituted at no charge. Please change the second character of the catalog number from "J" to "T."



Switch and handle ratings 30A – 800A

Switch ratings

UL general purpose amp rating	Maximum horsepower rating								Wire size for terminal lugs	For wire type	Approval ①
	Single phase			Three phase							
	120V	200V	240V	200V	208V	240V	480V	600V			
30	2	3	5	5	7.5	7.5	15	20	#18 – 8	Cu	CSA, UL
60	3	7.5	10	15	15	15	30	50	#14 – 4	Cu	CSA, UL
100	5	10	15	25	25	30	60	75	#14 – 2/0	Cu/Al	CSA, UL
200	—	—	—	50	50	60	125	150	#6 – 300 kcmil	Cu/Al	CSA, UL
400	—	—	—	100	125	125	250	350	#2 – 600 kcmil	Cu/Al	CSA, UL
600	—	—	—	150	150	200	400	500	(2) #2 – 600 kcmil	Cu/Al	CSA, UL
800	—	—	—	200	200	250	500	600	(2) #2 – 600 kcmil	Cu/Al	CSA, UL

Handle ratings


Amperage range	Style type	NEMA	Color	Marking	Defeatable	Padlockable	Catalog number suffix	Catalog number
30	Selector	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	BJ	OHB2AJ
	Selector	1,3R,12	Red/Yel				YJ	OHY2AJ
	Pistol	1,3R,12	Black				B6	OHB65J5
	Pistol	1,3R,12	Red/Yel				Y6	OHY65J5
	Pistol	1,3R,4,4X,12	Black				B6	OHB65L5
Pistol	1,3R,4,4X,12	Red/Yel	Y6	OHY65L5				
60 – 200	Pistol	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	B6	OHB65J6
		1,3R,12	Red/Yel				Y6	OHY65J6
		1,3R,12	Black				B8	OHB80J6
		1,3R,12	Red/Yel				Y8	OHB80J6
		1,3R,4,4X,12	Black				B8	OHB80L6
1,3R,4,4X,12	Red/Yel	Y8	OHY80L6					
400 – 800	Pistol	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	B4	OHB145J12
		1,3R,12	Red/Yel				Y4	OHY145J12
		1,3R,12	Black				B7	OHB175J12
		1,3R,12	Red/Yel				Y7	OHY175J12
		1,3R 4,4X,12	Black				B4	OHB145L12
		1,3R,4,4X,12	Red/Yel				Y4	OHY145L12
		1,3R 4,4X,12	Black				B7	OHB175L12
		1,3R,4,4X,12	Red/Yel				Y7	OHY175L12
		1,3R,4,4X,12	Metal				8	YASDA-8
30	Pistol	1,3R,12	Black	I/O/II	Yes	Yes	B6	OHB65J6E011
		1,3R,4,4X,12					OHB65L6E011	
60 – 200	Pistol	1,3R,12	Black	I/O/II	Yes	Yes	B8	OHB80J6E011
		1,3R,4,4X,12					OHB80L6E011	
400 – 800	Pistol	1,3R,12	Black	I/O/II	Yes	Yes	B4	OHB145J12E011
	Pistol	1,3R,4,4X,12	Black				B4	OHB145L12E011
	Pistol	1,3R,12	Black				B7	OHB175J12E011
	Pistol	1,3R,4,4X,12	Black				B7	OHB175L12E011
	Metallic	1,3R,4,4X,12	Metal				21	YASDA-21
	Metallic	1,3R,4,4X,12	Metal				6	YASDA-6


① Fusible switches are UL listed to the UL98 standard.

2 & 4 Pole 30 – 800A

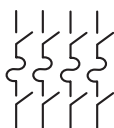
Disconnect
switches
Fusible
Enclosed

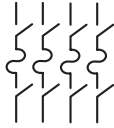
2 Pole, 600V, 30A – 800A

		NEMA Enclosure type				
		1	3R	4	4X Stainless	
UL general purpose amp rating	Fuse type	Catalog number	Catalog number	Catalog number	Catalog number	
	30	J	—	—	—	—
	30	CC	—	—	—	—
	60	J	—	—	—	—
	100	J	FJ1001-2PB8B	FJ1003-2PB8B	FJ1004-2PB8B	FJ100X-2PB8B
	200	J	FJ2001-2PB8C	FJ2003-2PB8C	FJ2004-2PB8C	FJ200X-2PB8C
	400	J	FJ4001-2PB4B	FJ4003-2PB4B	FJ4004-2PB4B	FJ400X-2PB4B
	600	J	FJ6001-2PB4B	FJ6003-2PB4B	FJ6004-2PB4B	FJ600X-2PB4B
	800	L	FL8001-2PB4B	FL8003-2PB4B	FL8004-2PB4B	FL800X-2PB4B

		NEMA Enclosure type		
		4X Plastic	12	
UL general purpose amp rating	Fuse type	Catalog number	Catalog number	
	30	J	—	
	30	CC	—	
	60	J	—	
	100	J	FJ100P-2PB8B	FJ1002-2PB8B
	200	J	FJ200P-2PB8C	FJ2002-2PB8C
	400	J	FJ400P-2PB4B	FJ4002-2PB4B
	600	J	FJ600P-2PB4B	FJ6002-2PB4B
	800	L	FL800P-2PB4B	FL8002-2PB4B

4 Pole, 600V, 30A – 800A

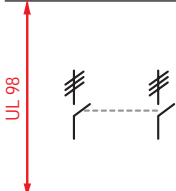
		NEMA Enclosure type				
		1	3R	4	4X Stainless	
UL general purpose amp rating	Fuse type	Catalog number	Catalog number	Catalog number	Catalog number	
	30	J	FJ301-4PB6B	FJ303-4PB6B	FJ304-4PB6B	FJ30X-4PB6B
	30	CC	FC301-4PB6B	FC303-4PB6B	FC304-4PB6B	FC30X-4PB6B
	60	J	FJ601-4PB6B	FJ603-4PB6B	FJ604-4PB8B	FJ60X-4PB8B
	100	J	FJ1001-4PB8B	FJ1003-4PB8B	FJ1004-4PB8B	FJ100X-4PB8B
	200	J	FJ2001-4PB8C	FJ2003-4PB8C	FJ2004-4PB8C	FJ200X-4PB8C
	400	J	FJ4001-4PB4B	FJ4003-4PB4B	FJ4004-4PB4B	FJ400X-4PB4B
	600	J	FJ6001-4PB4B	FJ6003-4PB4B	FJ6004-4PB4B	FJ600X-4PB4B
	800	L	FL8001-4PB4B	FL8003-4PB4B	FL8004-4PB4B	FL800X-4PB4B

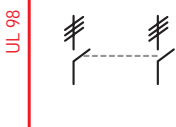
		NEMA Enclosure type	
		4X Plastic	12
UL general purpose amp rating	Fuse type	Catalog number	Catalog number
	30	J	FJ30P-4PB6B
	30	CC	FC30P-4PB6B
	60	J	FJ60P-4PB8B
	100	J	FJ100P-4PB8B
	200	J	FJ200P-4PB8C
	400	J	FJ400P-4PB4B
	600	J	FJ600P-4PB4B
	800	L	FL800P-4PB4B

Disconnect
switches
Fusible
Enclosed

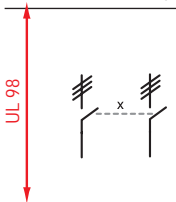
6 Pole & Mechanically interlocked switches 30 – 800A

6 Pole, 600V, 30A – 800A

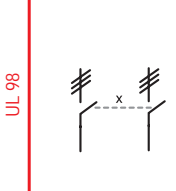
		NEMA Enclosure type				
		1	3R	4	4X Stainless	
UL general purpose amp rating	Fuse type	Catalog number	Catalog number	Catalog number	Catalog number	
	30	J	FJ301-6PB6B	FJ303-6PB6B	FJ304-6PB6B	FJ30X-6PB6B
	30	CC	FC301-6PB6B	FC303-6PB6B	FC304-6PB6B	FC30X-6PB6B
	60	J	FJ601-6PB4B	FJ603-6PB4B	FJ604-6PB4B	FJ60X-6PB4B
	100	J	FJ1001-6PB4B	FJ1003-6PB4B	FJ1004-6PB4B	FJ100X-6PB4B
	200	J	—	—	—	—
	400	J	FJ4001-6P8B	FJ4003-6P8B	FJ4004-6P8B	FJ400X-6P8B
	600	J	FJ6001-6P8B	FJ6003-6P8B	FJ6004-6P8B	FJ600X-6P8B
	800	L	FL8001-6P8B	FL8003-6P8B	FL8004-6P8B	FL800X-6P8B

		NEMA Enclosure type		
		4X Plastic	12	
UL general purpose amp rating	Fuse type	Catalog number	Catalog number	
	30	J	FJ30P-6PB6B	FJ302-6PB6B
	30	CC	FC30P-6PB6B	FC302-6PB6B
	60	J	FJ60P-6PB4B	FJ602-6PB4B
	100	J	FJ100P-6PB4B	FJ1002-6PB4B
	200	J	—	—
	400	J	FJ400P-6P8B	FJ4002-6P8B
	600	J	FJ600P-6P8B	FJ6002-6P8B
	800	L	FL800P-6P8B	FL8002-6P8B

Mechanically interlocked, 600V, 30A — 800A

		NEMA Enclosure type				
		1	3R	4	4X Stainless	
UL general purpose amp rating	Fuse type	Catalog number	Catalog number	Catalog number	Catalog number	
	30	J	FJ301-3MB6B	FJ303-3MB6B	FJ304-3MB6B	FJ30X-3MB6B
	30	CC	FC301-3MB6B	FC303-3MB6B	FC304-3MB6B	FC30X-3MB6B
	60	J	FJ601-3MB6B	FJ603-3MB6B	FJ604-3MB8B	FJ60X-3MB8B
	100	J	FJ1001-3MB8B	FJ1003-3MB8B	FJ1004-3MB8B	FJ100X-3MB8B
	200	J	FJ2001-3MB8C	FJ2003-3MB8C	FJ2004-3MB8C	FJ200X-3MB8C
	400	J	FJ4001-3MB4B	FJ4003-3MB4B	FJ4004-3MB4B	FJ400X-3MB4B
	600	J	FJ6001-3MB4B	FJ6003-3MB4B	FJ6004-3MB4B	FJ600X-3MB4B
	800	L	FL8001-3MB4B	FL8003-3MB4B	FL8004-3MB4B	FL800X-3MB4B

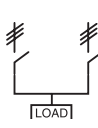
18

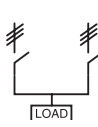
		NEMA Enclosure type		
		4X Plastic	12	
UL general purpose amp rating	Fuse type	Catalog number	Catalog number	
	30	J	FJ30P-3MB6B	FJ302-3MB6B
	30	CC	FC30P-3MB6B	FC302-3MB6B
	60	J	FJ60P-3MB8B	FJ602-3MB6B
	100	J	FJ100P-3MB8B	FJ1002-3MB8B
	200	J	FJ200P-3MB8C	FJ2002-3MB8C
	400	J	FJ400P-3MB4B	FJ4002-3MB4B
	600	J	FJ600P-3MB4B	FJ6002-3MB4B
	800	L	FL800P-3MB4B	FL8002-3MB4B

Transfer and bypass switches 30 – 800A

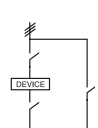
Disconnect
switches
Fusible
Enclosed

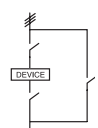
3 Pole Transfer switch, 600V, 30A – 800A

		NEMA Enclosure type							
		1		3R		4		4X Stainless	
UL general purpose amp rating	Fuse type	Catalog number		Catalog number		Catalog number		Catalog number	
	30	J	FJ301-3TB6B		FJ303-3TB6B		FJ304-3TB6B		FJ30X-3TB6B
	30	CC	FC301-3TB6B		FC303-3TB6B		FC304-3TB6B		FC30X-3TB6B
	60	J	FJ601-3TB8B		FJ603-3TB8B		FJ604-3TB8B		FJ60X-3TB8B
	100	J	FJ1001-3TB8B		FJ1003-3TB8B		FJ1004-3TB8B		FJ100X-3TB8B
	200	J	FJ2001-3TB8C		FJ2003-3TB8C		FJ2004-3TB8C		FJ200X-3TB8C
	400	J	FJ4001-3TB4B		FJ4003-3TB4B		FJ4004-3TB4B		FJ400X-3TB4B
	600	J	FJ6001-3TB4B		FJ6003-3TB4B		FJ6004-3TB4B		FJ600X-3TB4B
	800	L	FL8001-3TB4B		FL8003-3TB4B		FL8004-3TB4B		FL800X-3TB4B

		NEMA Enclosure type			
		4X Plastic		12	
UL general purpose amp rating	Fuse type	Catalog number		Catalog number	
	30	J	FJ30P-3TB6B		FJ302-3TB6B
	30	CC	FC30P-3TB6B		FC302-3TB6B
	60	J	FJ60P-3TB8B		FJ602-3TB8B
	100	J	FJ100P-3TB8B		FJ1002-3TB8B
	200	J	FJ200P-3TB8C		FJ2002-3TB8C
	400	J	FJ400P-3TB4B		FJ4002-3TB4B
	600	J	FJ600P-3TB4B		FJ6002-3TB4B
	800	L	FL800P-3TB4B		FL8002-3TB4B

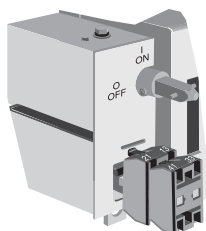
3 Pole Bypass switch, 600V, 30A – 800A

		NEMA Enclosure type							
		1		3R		4		4X Stainless	
UL general purpose amp rating	Fuse type	Catalog number		Catalog number		Catalog number		Catalog number	
	30	J	FJ301-3BB8B		FJ303-3BB8B		FJ304-3BB8B		FJ30X-3BB8B
	30	CC	FC301-3BB8B		FC303-3BB8B		FC304-3BB8B		FC30X-3BB8B
	60	J	—		—		—		—
	100	J	—		—		—		—
	200	J	FJ2001-3B8C		FJ2003-3B8C		FJ2004-3B8C		FJ200X-3B8C
	400	J	FJ4001-3B6B		FJ4003-3B6B		FJ4004-3B6B		FJ400X-3B6B
	600	J	FJ6001-3B6B		FJ6003-3B6B		FJ6004-3B6B		FJ600X-3B6B
	800	L	FL8001-3B6B		FL8003-3B6B		FL8004-3B6B		FL800X-3B6B

		NEMA Enclosure type			
		4X Plastic		12	
UL general purpose amp rating	Fuse type	Catalog number		Catalog number	
	30	J	FJ30P-3BB6B		FJ302-3BB6B
	30	CC	FC30P-3BB6B		FC302-3BB6B
	60	J	—		—
	100	J	—		—
	200	J	FJ200P-3B8C		FJ2002-3B8C
	400	J	FJ400P-3B6B		FJ4002-3B6B
	600	J	FJ600P-3B6B		FJ6002-3B6B
	800	L	FL800P-3B6B		FL8002-3B6B



OESA-ZX157



OZXK-1
OZXK-2



3 Position selection switch



Pilot light

Auxiliary contacts

For use on:	Contact configuration	Catalog number	Installation suffix
30A	1 N.O. + 1 N. C. 2 N.O. + 2 N.C.	OA4B1C	add "11" suffix add "22" suffix
60A – 100A	1 N.O. 1 N.C.	OA1G10 OA3G01	add "10" suffix add "01" suffix
200A – 800A	1 N.O. & 1 N.C. 2 N.O. & 2 N.C.	OZXK-1 OZXK-2	add "11" suffix add "22" suffix

Accessories ①②

For use on:	Description	Installation suffix
30A	Neutral block	N
60A – 100A	Neutral block	N
200A – 400A	Neutral block	N
600A – 800A	Neutral block	N
30A – 200A	Service entrance, 3 wire Service entrance, 4 wire	U V
400A – 800A	Service entrance, 3 wire Service entrance, 4 wire	U V
30A – 800A	Start/stop pushbuttons 2 position selector switch 3 position selector switch Pilot light "red/run" Ammeter 1 phase ③ Voltmeter ③	A C D E AM VM

Ground lugs

All enclosed switches are provided with a standard integral ground lug.

Switch size	Ground lug wire size
30 – 100	#14 – 1
200 – 800	#6 – 250 MCM

① Additional accessories can be found on pages 18.83 – 18.95.
② Please consult factory for special customer requirements.
③ Current transformers included.

Technical data

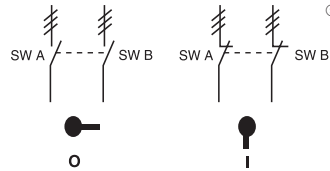
Other configuration descriptions

Disconnect
switches
Fusible
Enclosed

Conversion mechanisms

6 or 8 pole

6 (8) pole mechanism allows two switches controlled by one handle to open or close simultaneously.

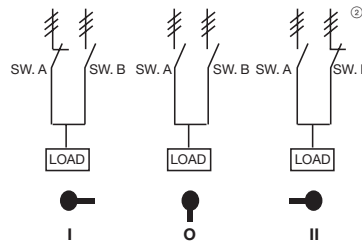


	POS. O	POS. I
SW. A	O	X
SW. B	O	X

X = Closed
O = Open

Transfer^①

Transfer mechanism manually transfers between two power sources using two switches and a center "OFF" position.

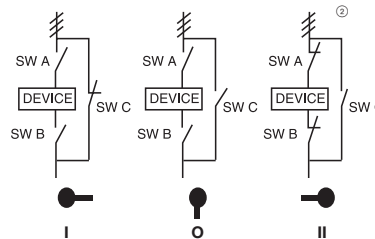


	POS. I	POS. O	POS. II
SW. A	X	O	O
SW. B	O	O	X

X = Closed
O = Open

Bypass^①

Bypass mechanism operates three switches: Two switches in series and one changeover switch to allow power bypass.

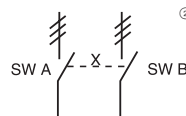


	POS. I	POS. O	POS. II
SW. A	O	O	X
SW. B	O	O	X
SW. C	X	O	O

X = Closed
O = Open

Mechanical interlock

Mechanical interlock mechanism prevents both switches from being in the ON position at the same time.



	SW. A POS. I	SW. B POS. O
SW. A	X	O
SW. B	O	X

X = Closed
O = Open

^① Transfer and bypass enclosed switches include the load side bussed or cabled together, and all switches come standard with ground lugs.

^② ≡ = Three poles

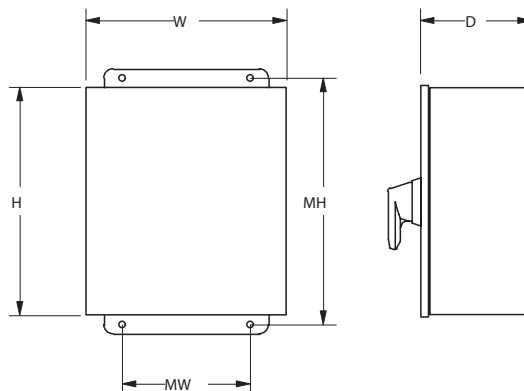
Approximate dimensions 2, 3, & 4 Pole ③ 30A – 800A F

Fusible

Frame size	Enclosure type	H height	W width	D depth	MH mtg. height	MW mtg. width	Weight (lbs.)
OS30_	1	10.0	8.0	6.0	7.0	7.0	12
	3R	10.0	8.0	6.0	10.75	6.0	12
	4	10.0	8.0	6.0	10.75	6.0	12
	4X SS	10.0	8.0	6.0	10.75	6.0	12
	4X Plastic	10.0	8.0	5.9	10.75	6.0	8.0
	12	10.0	8.0	6.0	10.75	6.0	12
OS60_	1	10.0	8.0	6.0	7.0	7.0	13
	3R	10.0	8.0	6.0	10.75	6.0	13
	4	10.0	8.0	6.0	10.75	6.0	13
	4X SS	10.0	8.0	6.0	10.75	6.0	13
	4X Plastic	10.0	8.0	5.9	10.75	6.0	9.0
	12	10.0	8.0	6.0	10.75	6.0	13
OS100_	1	14.0	12.0	8.0	11.0	9.0	22
	3R	14.0	12.0	8.0	14.75	10.0	22
	4	14.0	12.0	8.0	14.75	10.0	22
	4X SS	14.0	12.0	8.0	14.75	10.0	22
	4X Plastic	14.0	12.0	8.0	14.75	10.0	16
	12	14.0	12.0	8.0	14.75	10.0	22
OS200_	1	24.0	20.0	10.0	25.5	18.5	75
	3R	24.0	20.0	10.0	25.5	18.5	75
	4	24.0	20.0	10.0	25.5	18.5	75
	4X SS	24.0	20.0	10.0	25.5	18.5	75
	4X Plastic	①	①	①	①	①	①
	12	24.0	20.0	10.0	25.5	18.0	75

Frame size	Enclosure type	H height	W width	D depth	MH mtg. height	MW mtg. width	Weight (lbs.)
OES400_	1	44.0	22.0	11.0	45.5	20.5	150
	3R	44.0	22.0	11.0	49.5	20.5	150
	4	48.0	24.0	12.0	49.5	22.5	150
	4X SS	48.0	24.0	12.0	49.5	22.5	150
	4X Plastic	①	①	①	①	①	①
	12	44.0	22.0	11.0	45.5	20.5	150
OES600_	1	44.0	22.0	11.0	45.5	20.5	150
	3R	44.0	22.0	11.0	49.5	20.5	150
	4	48.0	24.0	12.0	49.5	22.5	150
	4X SS	48.0	24.0	12.0	49.5	22.5	150
	4X Plastic	①	①	①	①	①	①
	12	44.0	22.0	11.0	45.5	20.5	150
OES800_	1	48.0	24.0	12.0	49.5	22.5	170
	3R	48.0	24.0	12.0	49.5	22.5	170
	4	48.0	24.0	12.0	49.5	22.5	170
	4X SS	48.0	24.0	12.0	49.5	22.5	170
	4X Plastic	①	①	①	①	①	①
	12	48.0	24.0	12.0	49.5	22.5	170

- ① Please consult factory, enclosures are sized to suit specific customer needs.
 ② Enclosure is free standing.
 ③ Some 4-pole switches require larger enclosures. Please consult factory.



Approximate dimensions for enclosed 6-pole transfer & mechanical interlock switches, 30A – 800A F

Disconnect
switches
Fusible
Enclosed

Fusible

Frame size	Enclosure type	H height	W width	D depth	MH mtg. height	MW mtg. width	Weight (lbs.)
OS30_	1	14.0	12.0	8.0	11.0	9.0	22
	3R	14.0	12.0	8.0	14.75	10.0	22
	4	14.0	12.0	8.0	14.75	10.0	22
	4X SS	14.0	12.0	8.0	14.75	10.0	22
	4X Plastic	14.0	12.0	8.0	14.75	10.0	16
	12	14.0	12.0	8.0	14.75	10.0	22
OS60_	1	20.0	20.0	8.0	21.5	18.5	60
	3R	20.0	20.0	8.0	21.5	18.5	60
	4	20.0	20.0	8.0	21.5	18.5	60
	4X SS	20.0	20.0	8.0	21.5	18.5	60
	4X Plastic	24.0	16.0	10.0	-	-	60
	12	20.0	20.0	8.0	21.5	18.5	60
OS100_	1	20.0	20.0	8.0	21.5	18.5	60
	3R	20.0	20.0	8.0	21.5	18.5	60
	4	20.0	20.0	8.0	21.5	18.5	60
	4X SS	20.0	20.0	8.0	21.5	18.5	60
	4X Plastic	24.0	16.0	10.0	21.5	18.5	60
	12	20.0	20.0	8.0	21.5	18.5	60
OS200_	1	36.0	30.0	12.0	37.5	28.5	100
	3R	36.0	30.0	12.0	37.5	28.5	100
	4	36.0	30.0	12.0	37.5	28.5	100
	4X SS	36.0	30.0	12.0	37.5	28.5	100
	4X Plastic	①	①	①	①	①	①
	12	36.0	30.0	12.0	37.5	28.5	100

① Please consult factory; enclosures can be custom sized to suit specific needs
 ② Enclosure is free standing.

Frame size	Enclosure type	H height	W width	D depth	MH mtg. height	MW mtg. width	Weight (lbs.)
OES400_	1	48.0	36.0	16.0	49.5	34.5	220
	3R	48.0	36.0	16.0	49.5	34.5	220
	4	48.0	36.0	16.0	49.5	34.5	220
	4X SS	48.0	36.0	16.0	49.5	34.5	220
	4X Plastic	①	①	①	①	①	①
	12	48.0	36.0	16.0	49.5	34.5	220
OES600_	1	48.0	36.0	16.0	49.5	34.5	230
	3R	48.0	36.0	16.0	49.5	34.5	230
	4	48.0	36.0	16.0	49.5	34.5	230
	4X SS	48.0	36.0	16.0	49.5	34.5	230
	4X Plastic	①	①	①	①	①	①
	12	48.0	36.0	16.0	49.5	34.5	230
OES800_	1	48.0	36.0	16.0	49.5	34.5	230
	3R	48.0	36.0	16.0	49.5	34.5	230
	4	48.0	36.0	16.0	49.5	34.5	230
	4X SS	48.0	36.0	16.0	49.5	34.5	230
	4X Plastic	①	①	①	①	①	①
	12	48.0	36.0	16.0	49.5	34.5	230

