

Enclosed Disconnect switches



Enclosed disconnect switches

16 – 3150 A Non-fusible

30 – 800 A Fusible



eOT, NF, FC, FJ and FL products 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:

- eOT from 16 to 100 A, UL98
- NF, FC, FJ and FL from 16 to 2000 A built to UL98 requirements
- NF 3150 A IEC rated

General information

Non-fusible, fusible & lockable

Non-fusible

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

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



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

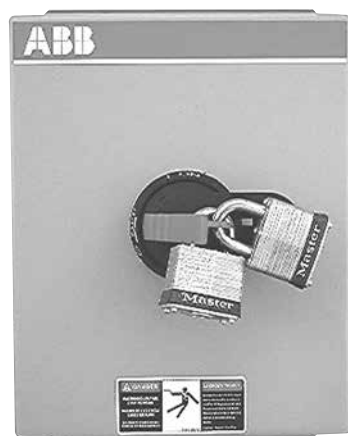
Lockable

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

Non-fusible, 16 - 3150 A

Fusible, 30 - 800 A

Disconnect
switches
Enclosed

NF range ratings, 16 – 3150 A, 600 V

UL General purpose amp rating	Maximum horsepower rating							Wire size for terminal lugs	For wire type	Built according to (*)
	Single phase			Three phase						
	120V	200V	240V	200V – 208V	240V	480V	600V			
16	1	2	2	3	5	10	10	#18 – 8	Cu	UL508
25	1.5	3	3	7.5	7.5	15	20	#18 – 8	Cu	UL508
40	2	5	5	10	10	20	25	#18 – 8	Cu	UL508
60	2	5	5	15	15	30	30	#14 – 1	Cu	UL508
80	2	5	5	20	20	40	40	#14 – 1	Cu	UL508
30	2	5	5	10	10	20	30	#14 – 4	Cu	UL98
60	3	7.5	7.5	20	20	40	40	#14 – 4	Cu	UL98
100	5	15	15	25	30	50	50	#8 – 1/0	Cu	UL98
200	—	—	—	60	75	150	200	#6 – 300 kcmil	Cu	UL98
400	—	—	—	100	125	250	350	#2 – 600 kcmil	Cu	UL98
600	—	—	—	150	200	400	500	(2) #2 – 600 kcmil	Cu	UL98
800	—	—	—	200	250	500	600	(2) #2 – 600 kcmil	Cu/Al	UL98
1200	—	—	—	—	—	—	—	(4) #2 – 600 kcmil	Cu/Al	UL98
1600	—	—	—	—	—	—	—	(4) #2 – 600 kcmil	Cu/Al	UL98
2000	—	—	—	—	—	—	—	(8) #2 – 600 kcmil	Cu/Al	UL98
3150	—	—	—	—	—	—	—	(8) #2 – 600 kcmil	Cu/Al	IEC

(*) Assemblies are not UL listed, but built to meet UL requirements

Handle ratings

Catalog number suffix	Style type	NEMA	Color	Marking	Defeatable	Padlockable	Catalog number
S	Selector	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	OHBS2AJ ①
S1	Selector	1,3R,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHYS2AJ ①
P	Pistol	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	OHB65J6 ①
P	Pistol	1,3R,4,4X,12	Black	O/I & OFF/ON	Yes	Yes	OHB65L6 ①
P1	Pistol	1,3R,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHY65J6 ①
P1	Pistol	1,3R,4,4X,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHY65L6 ①
BJ	Selector	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	OHBS2AJ
YJ	Selector	1,3R,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHYS2AJ
B4	Pistol	1,3R,12	Black	O/I & OFF/ON	Yes	Yes	OHB145J12
B4	Pistol	1,3R,12	Black	I/O/II	Yes	Yes	OHB145J12E011 ②
B4	Pistol	1,3R,4,4X,12	Black	I/O/II	Yes	Yes	OHB145L12E011 ②
Y4	Pistol	1,3R,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHY145J12
B6	Pistol	1,3R,4,4X,12	Black	O/I & OFF/ON	Yes	Yes	OHB65L6
Y6	Pistol	1,3R,4,4X,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHY65L6
B7	Pistol	1,3R,4,4X,12	Black	O/I & OFF/ON	Yes	Yes	OHB175J12
B7	Pistol	1,3R,12	Black	I/O/II	Yes	Yes	OHB175J12E011 ②
B7	Pistol	1,3R,4,4X,12	Black	I/O/II	Yes	Yes	OHB175L12E011 ②
Y7	Pistol	1,3R,4,4X,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHY175L12
B8	Pistol	1,3R,4,4X,12	Black	O/I & OFF/ON	Yes	Yes	OHB80L6
B8	Pistol	1,3R,12	Black	I/O/II	Yes	Yes	OHB80J6E011 ②
B8	Pistol	1,3R,4,4X,12	Black	I/O/II	Yes	Yes	OHB80L6E011 ②
Y8	Pistol	1,3R,4,4X,12	Red/Yel	O/I & OFF/ON	Yes	Yes	OHY80L6
6	Pistol	1,3R,4,4X,12	Black	I/O/II	No	Yes	OHB174L12E011 ②
8	Pistol	1,3R,4,4X,12	Metal	O/I & OFF/ON	No	Yes	YASDA-8
21	Pistol	1,3R,4,4X,12	Metal	I/O/II	No	Yes	YASDA-21
21	Pistol	1,3R,4,4X,12	Black	I/O/II	No	Yes	OHB274L12E011 ②

① Handles are for the eOT range

② Handles are for double throw switches

General information

Fusible, 30 - 800 A

FC, FJ an FL range ratings

UL general purpose amp rating	Maximum horsepower rating								Wire size for terminal lugs	For wire type	Built according to (*)
	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

(*) Assemblies are not UL listed, but built to meet UL requirements

Enclosed non-fusible, 3 poles, 16 to 100 A ①

EOT 16 U 3 M 1 - 1 P

Size and Amps

16 = 16 A
30 = 30 A
32 = 40 A
45 = 60 A
60 = 60 A
63 = 80 A
100 = 100 A

Poles

3

Enclosure

P = Plastic
S = Stainless steel
M = Sheet steel

Enclosure type

1 = Type 1
3 = Type 3R/12
4 = Type 4/4X

Auxiliary contact

[Blank] = None
0 = 1 N.C.
1 = 1 N.O.

Handle

P = Pistol Black
P1 = Pistol Red/Yellow
S = Selector Black
S1 = Selector Red/Yellow
M = Stainless Steel Handle

Enclosed non-fusible 200 to 3150 A, fusible from 30 to 800 A and specialty configuration ①

NF 200 1 - 6 P B6 C

Style

NF - Non-fused (200-3150 A)
FJ - Fused "J" type fuses (30-800 A)
FC - Fused "CC" type fuses (30 A)

Amps

200
400
600
800
1200
1600
2000
3150

Type

1 = Type 1
3 = Type 3R/12
4 = Type 4
7 = Type 7 and/or 9
X = Type 4X Stainless Steel
P = Type 4X Plastic

Poles

3
6

Configuration

P = Standard
T = Double Throw

Handle

Refer to previous page,
Handle ratings table

Revision

Custom versions or other versions of enclosed products are available upon request. Please, consult ABB.

① Part designation keys are provided for reference only. Not all variations or configurations are available.

3 pole Non-fusible, 16 – 3150 A

Disconnect
switches
Enclosed



NF32X-3PB6C



EOT16U3P3-S



EOT63U3M1-P

16-80 A, 600 VAC, 3 poles, UL508 Selector handle

UL general purpose amp rating	Standard	UL/NEMA Enclosure Type			
		1	3R/12	4/4X	3R/12 Plastic
		Catalog number	Catalog number	Catalog number	Catalog number
16	UL508	EOT16U3M1-S	EOT16U3M3-S	Not available with selector handles	EOT16U3P3-S
40	UL508	EOT32U3M1-S	EOT32U3M3-S		EOT32U3P3-S
60	UL508	EOT45U3M1-S	EOT45U3M3-S		EOT45U3P3-S
80	UL508	EOT63U3M1-S	EOT63U3M3-S		EOT63U3P3-P

16-100 A, 600 VAC, 3 poles, UL508 and UL98 Pistol handle

UL general purpose amp rating	Standard	UL/NEMA Enclosure Type					
		1	3R/12	4	4X Stainless	4X Plastic ①	7 & 9 ①
		Catalog number	Catalog number	Catalog number	Catalog number	Catalog number	Catalog number
16	UL508	EOT16U3M1-P	EOT16U3M3-P	-	EOT16U3S4-P	EOT16U3P4-P	NF167-3P
40	UL508	EOT32U3M1-P	EOT32U3M3-P	-	EOT32U3S4-P	EOT32U3P4-P	NF327-3P
60	UL508	EOT45U3M1-P	EOT45U3M3-P	-	EOT45U3S4-P	EOT45U3P4-P	NF457-3P
80	UL98	EOT63U3M1-P	EOT63U3M3-P	-	EOT63U3S4-P	EOT63U3P4-P	NF637-3P
30	UL98	EOT30U3M1-P	EOT30U3M3-P	-	EOT30U3S4-P	NF30P-3PB6C	NF307-3P
60	UL98	EOT60U3M1-P	EOT60U3M3-P	-	EOT60U3S4-P	NF60P-3PB6C	NF607-3P
100	UL98	EOT100U3M1-P	EOT100U3M3-P	-	EOT100U3S4-P	NF100P-3PB6B	NF1007-3P

200–3150A, 600 VAC, 3 poles, built according to UL standards ① Pistol handle

UL general purpose amp rating	UL/NEMA Enclosure Type					
	1	3R/12	4	4X Stainless	4X Plastic	7 & 9
	Catalog number	Catalog number	Catalog number	Catalog number	Catalog number	Catalog number
200	NF2001-3PB8B	NF2003-3PB8B	NF2004-3PB8B	NF200X-3PB8B	NF200P-3PB8B	—
400	NF4001-3PB4B	NF4003-3PB4B	NF4004-3PB4B	NF400X-3PB4B	NF400P-3PB4B	—
600	NF6001-3PB7B	NF6003-3PB7B	NF6004-3PB7B	NF600X-3PB7B	NF600P-3PB7B	—
800	NF8001-3PB4A	NF8003-3PB4A	NF8004-3PB4A	NF800X-3PB4A	NF800P-3PB4A	—
1200	NF12001-3PB4A	NF12003-3PB4A	NF12004-3PB4A	NF1200X-3PB4A	NF1200P-3PB4A	—
1600	NF16001-3P8A	NF16003-3P8A	NF16004-3P8A	NF1600X-3P8A	—	—
2000	NF20001-3P8A	NF20003-3P8A	NF20004-3P8A	NF2000X-3P8A	—	—
3150 ②	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.

EXAMPLE: A red/yellow selector handle for an EOT16U3M1-S can be substituted for the black selector handle by using the "S1" suffix instead of the "S" suffix, new catalog #EOT16U3M1-S1.

① NF_ disconnects are not UL listed, but built to meet UL requirements

② IEC rated only