

# 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

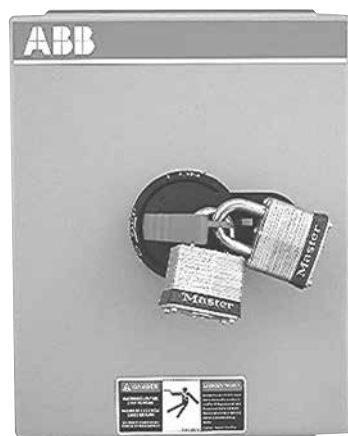
#### Lockable

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<br>General<br>purpose<br>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<br>suffix | Style<br>type | NEMA         | Color   | Marking      | Defeatable | Padlockable | Catalog<br>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

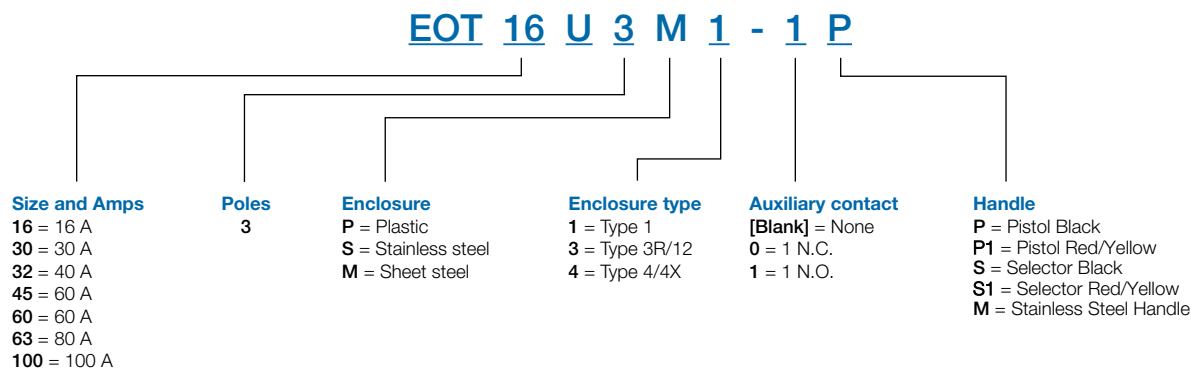
### Fusible, 30 - 800 A

#### FC, FJ an FL range ratings

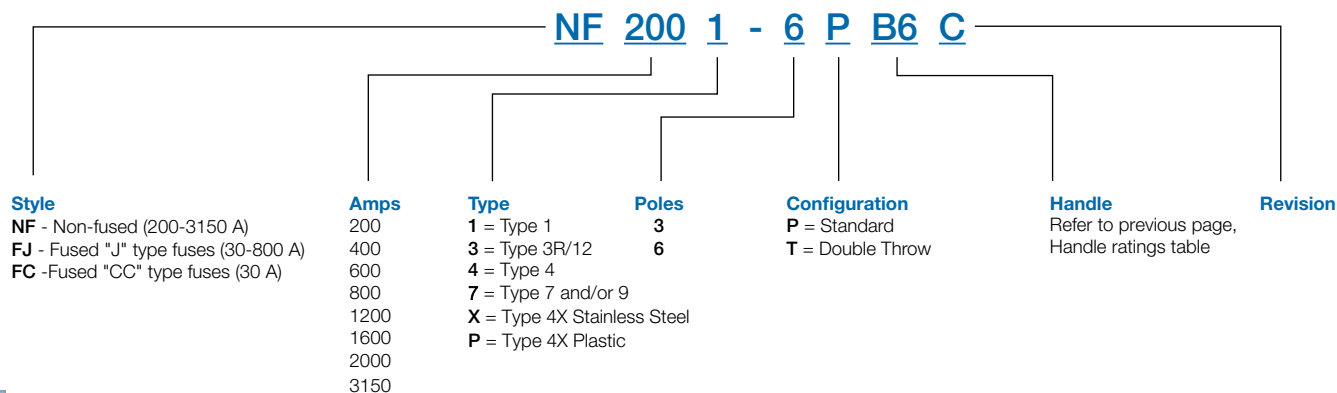
| UL general<br>purpose<br>amp rating | Maximum horsepower rating |      |      |             |      |      |      |      | Wire size for terminal lugs | For wire type | Built according to (*) |
|-------------------------------------|---------------------------|------|------|-------------|------|------|------|------|-----------------------------|---------------|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



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



*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<br>purpose amp<br>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<br>with selector<br>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<br>purpose amp<br>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<br>purpose amp<br>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