

Food & beverage processing

**Fast
Facts**

Enclosed Switches

Disconnect Switches are typically used in Food and Beverage Processing applications as a main disconnecting means; OSHA Lock Out/Tag Out devices to isolate a load for maintenance, service or repair; or as the NEC required motor disconnect upstream from the motor.

Motor Disconnects

ABB's UL 508 listed disconnect switches are designed to meet National Electric Code, Article 430-102, requiring a disconnect means, located within sight from the motor location and the machinery location.

OSHA Lock Out/Tag Out

OSHA requires the use of Lock Out/Tag Out devices whenever service or maintenance is being performed in proximity to a machine in order to prevent injury potentially caused by unexpected start up of machinery. ABB's enclosed disconnects are equipped with selector or pistol grip handles which are padlockable and defeatable with clear position indication.

The Nema 4X rated switches from ABB

Ideal for Food and Beverage Processing machinery, ABB's Nema 4X rated enclosed disconnect switches provide exceptional durability. These switches offer protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation for indoor or outdoor applications. ABB's Nema 4X Enclosed Switch Portfolio includes both stainless steel and plastic options.



ABB

ABB's enclosed range of disconnect switches provide a perfect solution for Food and Beverage Processing applications. From metallic to polycarbonate enclosures, ABB's switches are available in a variety of NEMA environmental ratings (1, 3R, 12, 4, 4X).

Washdown Nema 4X Stainless Enclosed Switches

Specifically of interest for Food and Beverage applications where frequent washdown is required, ABB offers an ultimate solution with the Washdown line of enclosed non-fusible disconnects. This 304 Stainless Steel line of UL508 disconnects, extending from 16 to 40 amps, offers a 7x5x3 dimensional design to lower profile, reduce footprint, and simplify wiring. The 60 to 80 amp product is housed in a 10x8x5 enclosure.



16 Amp, 3 pole, Nema 4X stainless steel	NF16X-3PB6C
25 Amp, 3 pole, Nema 4X stainless steel	NF25X-3PB6C
40 Amp, 3 pole, Nema 4X stainless steel	NF32X-3PB6C
60 Amp, 3 pole, Nema 4X stainless steel	NF45X-3PB6B
80 Amp, 3 pole, Nema 4X stainless steel	NF63X-3PB6A

Substitutions available on request:

- 4 Pole Options: replace 3P with 4P
- Red/Yellow Plastic Pistol Handle: replace PB with PY
- 316L Stainless Steel Handle: replace PB with PM
- No Decal Sticker: add suffix -ND to part number
- Auxiliary Contacts: add suffixes 01, 10, 11

Note: The 60-80A UL508 stainless steel enclosed switches do not include the washdown decal

eOT Polycarbonate Enclosed Switches

The eOT series of enclosed manual motor controllers are rotary operated, 3 pole, 600VAC HP rated switches, housed in thermoplastic/polycarbonate enclosures. UL508 listed and available in water-tight 4X versions, these enclosed disconnects are suitable as motor disconnects for food and beverage applications where frequent hose-down is necessary. This product line includes 16 through 80 amp solutions. eOTs are available as standard with black or red/yellow handles and with or without 1 N.O. auxiliary contact. Field installable 4th poles and additional auxiliary contacts are available.

	Black Handle	Red/Yellow Handle
16 Amp, 3 pole, Nema 4X plastic	EOT16U3P4-P	EOT16U3P4-P1
40 Amp, 3 pole, Nema 4X plastic	EOT32U3P4-P	EOT32U3P4-P1
60 Amp, 3 pole, Nema 4X plastic	EOT45U3P4-P	EOT45U3P4-P1
80 Amp, 3 pole, Nema 4X plastic	EOT63U3P4-P	EOT63U3P4-P1
16 Amp, 3 pole, Nema 4X plastic, 1 NO	EOT16U3P4-1P	EOT16U3P4-1P1
40 Amp, 3 pole, Nema 4X plastic, 1 NO	EOT32U3P4-1P	EOT32U3P4-1P1
60 Amp, 3 pole, Nema 4X plastic, 1 NO	EOT45U3P4-1P	EOT45U3P4-1P1
80 Amp, 3 pole, Nema 4X plastic, 1 NO	EOT63U3P4-1P	EOT63U3P4-1P1

Bold: denotes normally stocked item



Note: Other Nema 4X Stainless Steel Enclosed Switch Products

The perfect compliment to the Washdown and eOT UL508 offering is ABB's full line of 4X plastic and stainless steel enclosed UL98 switches, fusible and non-fusible.

For more information on this offering, please consult the LV023 Full Line Catalog.

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