



ENF & EF Enclosed Non-Fused & Fused Disconnects

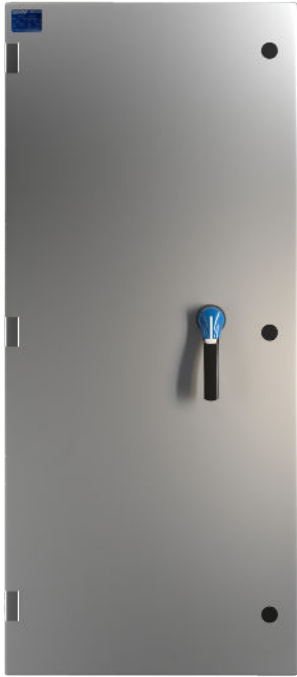
ENF and EF Enclosed Non-Fused and Fused Disconnects, by Spike Electric Controls, serve as critical components in electrical systems. These disconnects are designed to provide a safe and reliable means of isolating power sources from various electrical equipment and circuits. The "non-fused" variants offer a convenient way to disconnect power without incorporating fuses, while the "fused" versions include built-in fuses for additional overcurrent protection. These devices are essential for maintenance, repair, and safety procedures, allowing technicians and operators to de-energize equipment and circuits, reducing the risk of electrical hazards during servicing or emergencies. Spike Electric Controls' ENF and EF Disconnects are dependable solutions for controlling electrical power in a wide range of applications.





ENF & EF

Enclosed Non-Fused &
Enclosed Fused Disconnects



Product Description:

- 30–3000A
- Enclosed device used to open and close a circuit
- Design Features:
- Straight through wiring – line lugs at top, load lugs at bottom
- Horizontal or vertical mounting on upright panel for application freedom
- Screw type power terminals have captive, backed-out self-lifting pressure plates with \pm screws for reduced wiring time
- Accessible terminals for easy wiring; optional finger proof shields available to prevent electrical shock
- Designed to meet or exceed UL, IEC, VDE, BS and other international standards and listings

Certifications:

- Type NEMA 12,3R,4,
- 4X, 4X non-metallic
- ABS Type Approved
- OSHPD Certified (OSP-0015-10)
- Certified Type 2 ordination

Electrical Ratings:

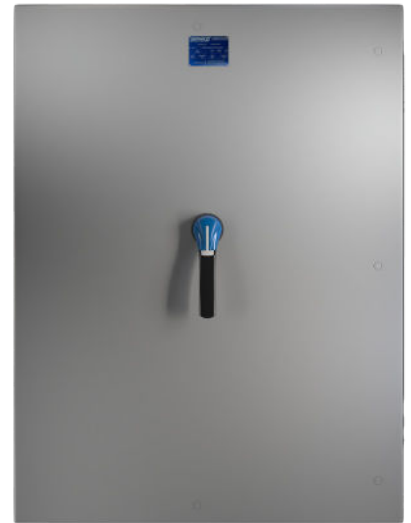
- Disconnect switches-3-pole, 600VAC-30A through 3000A-Fusible and non-fusible
- 100,000 rms short circuit rating (600V fused disconnects)

Construction:

- Made in the USA
- Robotically applied seamless foam-in-place gasket helps assure high performance in environmental conditions.
- Enclosure and door are fabricated from(14)gauge steel
- Ground provisions provided on all doors, bodies and back panels.
- Features, Benefits and Functions:
- Pad lockable in the OFF position
- Interlocked handle on NEMA 3R, 4/4X,5 and 12 enclosures to prevent opening when the disconnects is in the ON position
- Numerous factory options

Applications:

- Damp, wet, dirty, dusty areas where ultimate corrosion and ingress protection is required
- Harsh power distribution environments, including: refineries, chemical and petrochemical plants, corrosive process facilities, food and beverage, marine and mining



* Unless otherwise noted, this product(s) does not include UL Listing and is only built to the standards. UL Listing can be provided as an adder if requested. UL Listing either must be applied at the factory by Spike or by Spike and UL representative in the field.





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NEMA 4 Heavy Duty Rainproof:

Weather tight (weatherproof) enclosures. Constructed for either indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water. Will be undamaged by the external formation of ice on the enclosure sheet steel enclosure to serve as a main disconnect and protective device for feeder circuits. The disconnects is front operable and is capable of being padlocked in the OFF position. Disconnects through 3000A are listed as suitable for service entrance application. The disconnects is front operable and is capable of being padlocked in the OFF position.

Disconnects through 3000A are listed by Underwriters Laboratories as suitable for service entrance application.



Non Metallic N4X:

High impact strength fiberglass reinforced polyester material having excellent corrosion resistance and stability to heat.

Unitized, strong and durable enclosure construction provides longer service life for equipment.

Enclosure has hinged access door which opens 160° for easy wiring and maintenance. Three screws for door frame are hidden behind access door. Access door may be padlocked to prevent unauthorized access.



NEMA 4/4X, 5 Water and Dustproof:

Stainless Steel - Type 304 Surface Mounting 30-3000A, 600 Vac, 500 Vdc - This enclosure meets NEMA 4/4X and 5 requirements for water and dustproof applications and has no knockouts or other openings. It is particularly well suited for use in dairies, borax mines, breweries, paper mills and other process industries. The operating handle can be padlocked in the OFF position and is interlocked to prevent the door from opening when the disconnects is ON. Disconnects through 3000A are Underwriters Laboratories listed as suitable for service entrance application.

Standard Materials:

- Internal mounting plate – powder-coated steel
- Internal hardware – zinc-plated



Green Energy Efficient: ENF and EF Enclosed Non-Fused and Fused Disconnects by Spike Electric Controls promote green energy efficiency through their design, which prioritizes energy conservation, high-quality components, and reduced heat generation. These disconnects comply with energy standards, enhance safety with features like arc flash mitigation and overload protection, and consider environmental impact through eco-friendly materials and recycling processes. By efficiently managing electrical power and minimizing energy waste, they play a crucial role in sustainable and energy-efficient electrical systems.



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Catalog Number System

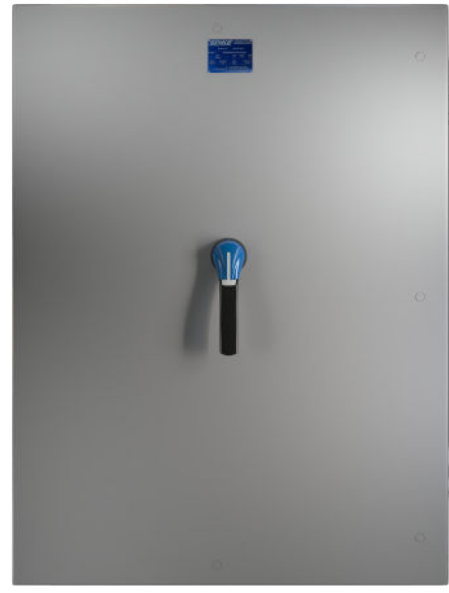
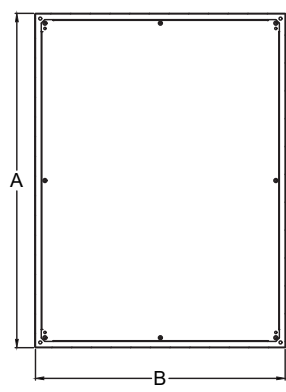
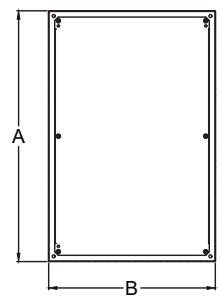
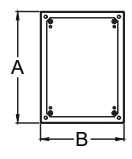
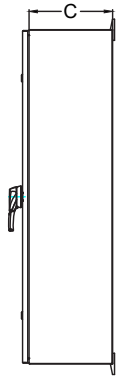
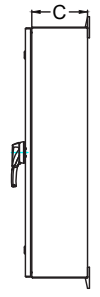
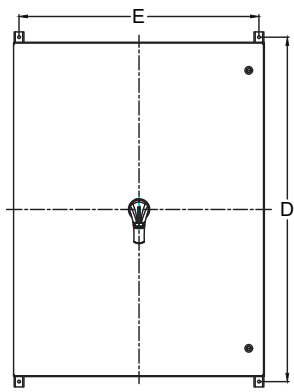
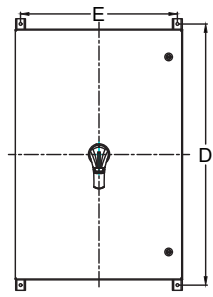
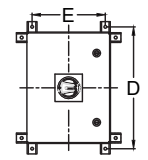
Description	Cat #	Ampacity	
Non-fused N4X 304SS rotary	ENFXSSR	30	800
Non-fused N4X non-metallic rotary	ENFXNMR	60	1200
Non-fused N4 carbon rotary	ENFR	100	1600
Fused N4X 304SS rotary	EFXSSR	200	2000
Fused N4X non-metallic rotary	EFXNMR	400	2500
Fused N4 carbon rotary	EFR	600	3000

Wiring System
3 - 3 phase

Disconnects Voltage
2 - 240V
4 - 480V
6 - 600V

Enclosure Modifications & Accessories	Cat #
Neutral	N
Pilot light, 120VAC, red jewel, w/on indicating plate	J1
Pilot light, 120VAC, green jewel, w/off indicating plate	J3
Auxiliary switch on Disconnects 1A and 1B contacts	S784
Auxiliary switch on Disconnects 2A and 2B contacts	S785
Space heater, 120 volt, 25 watts	R11
Enclosure Type 4X	316SS
N4X Breather & Drain	S756S

Service Entrance Rated
SER Service Entranced Labeled
NSER Non-Service Entrance



A
30-100A
MAX

B
200A
MAX

C
400-800A
MAX

Enclosure AMPS	Nominal Dimensions in Inches			
	Fig	A	B	C
30-100A	A	16	12	8
200A	B	36	24	8
400-800A	C	48	36	12
1200A	D	72	36	12
1600A	E	90	36	24
2000-3000A	F	90	36	36