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MPD-DS.NGRX-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB

Fused Disconnect Switch – 200 Amp, 15kV AC, 3-Pole 4-Wire, Pad-Mounted, Gang-Operated, Visible Blade w/ Viewing Window, 95kV BIL, NEMA 3R, W/ 200A Fuses, Aluminum Enclosure, w/ 50A Neutral Grounding Resistor

Product ID: 338099



Image: MPD-DS.NGRX-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-DS.NGRX-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB Disconnect Switch - Fused Disconnect

Unit Type: Pad-Mounted Fused Disconnect Switch, Gang Operated, Visible Break w/ Viewing Window, w/ 50A Neutral Grounding Resistor

Line-In: N/A (customer provided)

Line-In Cord Cap: N/A (customer provided)
Line-In Connections: Terminal Lugs, Accepts 500MCM–1/0 CU/AL
Line-In Orientation: Bottom Feed
Nominal Voltage: 15 kV Class (for 13.8 kV systems), 3 Phase
Rated Voltage: 15.5 kV AC
BIL: 95 kV
No. of Poles: (3)
Wiring Configuration: 4-Wire
Phase: 3-Phase
Mains Rating: 200A
Short circuit-current: 16 kA rms sym., 1 sec *(minimum; configurable up to 25 kA)*
Rated peak withstand current: 40 kA peak
Insulator Type: Polymer (Light Grey, High-Strength, Lightweight)
HV Terminal Connection: NEMA 2-Hole or 4-Hole Pad (AL/CU)
Grounding Terminal Connection: NEMA 2-Holes
Terminal Mechanical Loading: Designed for cable terminations per IEEE C37.30 requirements
Key interlock provision: Included (Optional)
Grounding rotating devices motorized and manual shafts: Included, NEMA 2-holes

Ratings

NRTL Listed Service Equipment

Designed to **IEEE C37.20 / IEEE C37.30 (Medium Voltage Switchgear Standards)**
NEMA 3R Rated for Indoor and Outdoor Use
25 Years Minimum Useful Life

Made in the USA

connection
Protection Method: Internal Fused Protection
Protection Type: Fused
Protection Fuses: 200A, 15 kV Class
Protection Ampacity: 200A
Surge Arresters: (3) Distribution Class MOV
Arrester Voltage Rating: 19 kV
MCOV: 19 kV
Disconnect Means: Manual via External Handle (Quick-Make/Quick-Break)
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Terminal Lugs, Accepts 500MCM–1/0 CU/AL
Line-Out Orientation: Bottom Feed
Form Factor: Skid-Mounted / Frame-Mounted Compact Enclosure w/ Lockable Door
Observation Window: UV-Resistant, Impact-Resistant Polycarbonate Viewing Window, Rated for 15kV Class Equipment, Providing Safe Visible Blade Verification Without Opening the Enclosure (Dead-Front Design)
Door: (1) Front Hinged Door w/ Utility Padlock Provision & Safety Interlock
Ambient Operating Temperature Range: -40°C to +50°C
Elevation (Altitude): 3300ft (1000 meters) Above Sea Level
IEEE 693 Seismic Performance Level: Moderate
Mounting: Pad Mount
Enclosure Material: Stainless Steel
Enclosure Finish: ANSI 61 Grey
Enclosure Type: NEMA 3R Ventilated
Dimensions: 44"D x 58"W x 98"H
Weight: 4,200 Lbs

Neutral Grounding Resistor Specs:
System Voltage: 13.8 kV
Rated Voltage: 8 kV (L-N)
Voltage BIL: 95 kV
Current Rating: 50 A
Frequency: 60 Hz
Rated Resistance (@ 30°C): 160Ω
Rated Time: 10 Sec.
Resistor Material: Stainless Steel Grid
Temperature Rise: 760°C
Temperature Coefficient: ±350ppm/K
Installation: Indoor/Outdoor
Current Transformer: Included, 50:5 Ratio, 600V Rated, C10 Accuracy Class
Terminal: Porcelain bushing, Line-side terminal to receive an insulated cable, and station ground side terminal. Can be on the top, side or bottom of the enclosure.
Supports: Highly quality porcelain insulators and stainless steel frame
Cooling: Natural air cooling
Temperature Range: -10□ to +40□
Relative Humidity: 95-100%
Altitude: 3,300ft (1000m) Above sea Level
Seismic Design: Meets IEEE 693-2018
Sound Level: Meets NEMA ST-20 Standards, IEC 60076
Mounting: Freestanding
Enclosure Rating: NEMA 12, suitable for indoor/outdoor installation
Enclosure Material: Stainless Steel
Enclosure Finish: Paint, RAL7035, w/ Shorting Block
Vibration Management: Included, Anti-Vibration Frame System, w/ perimeter frame, upper diagonal isolators, lower tension rods and pendulum support and w/ vertical load damper
Hardware Material: Galvanized steel
Cable Entry: Bottom, w/ Gland Plate
Enclosure Dimensions*: 35.43"D x 70.87"W x 66.93"H
Weight*: 2,204.62 lbs
Shipping Dimensions*: TBD
Shipping Weight*: TBD
*These numbers are approximates and are subject to changes

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

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Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in the USA

The Larson Electronics MPD-DS.NGRX-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB Power Distribution Disconnect Switch is designed for reliable, safe and convenient medium voltage isolation at industrial facilities and utility interconnection points. This fused, gang-operated visible blade disconnect is designed for pad-mounted installations and is protected by a NEMA 3R rated steel enclosure for indoor and outdoor use.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

The MPD-DS.NGRX-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB service entrance disconnect switch provides a safe and dependable means of isolating 15kV class power systems. Rated for 15kV AC with a 95kV BIL and a continuous current rating of 200 amps, this pad-mounted disconnect features a three-pole, four-wire configuration with a manually operated, quick-make/quick-break external handle. The gang-operated visible blade mechanism provides a clear air gap for positive visual confirmation of isolation during maintenance and service operations.

Operation: This disconnect switch features a lockable front door with utility padlock provisions on the external operating handle for lock-open and lock-closed positions. The manual handle simultaneously opens and closes all three phases to prevent single phasing. A dead-front barrier enhances operator safety, and removal of the barrier allows full access to the switch assembly for inspection and maintenance.

Enclosure Design: The disconnect switch is housed in an 11GA sheet steel enclosure with ANSI 61 grey finish. The NEMA 3R rated design protects internal components from rain, sleet, and environmental contaminants, making the unit suitable for outdoor pad-mounted utility and industrial applications.

Certification: This disconnect switch is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment.

Mount: Operators can mount the service entrance disconnect on the pad.

Customization: The MPD-DS.NGRX-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the fused disconnect portable and certified for portable equipment

• Adding single pad camlock connectors for quick connections

• Adding heaters for cold environments

• Aiding alarm relays for trip notification downstream

• Adding power meters

Applications: This disconnect switch is suitable for indoor/outdoor use and applications including, but not limited to, solar equipment, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

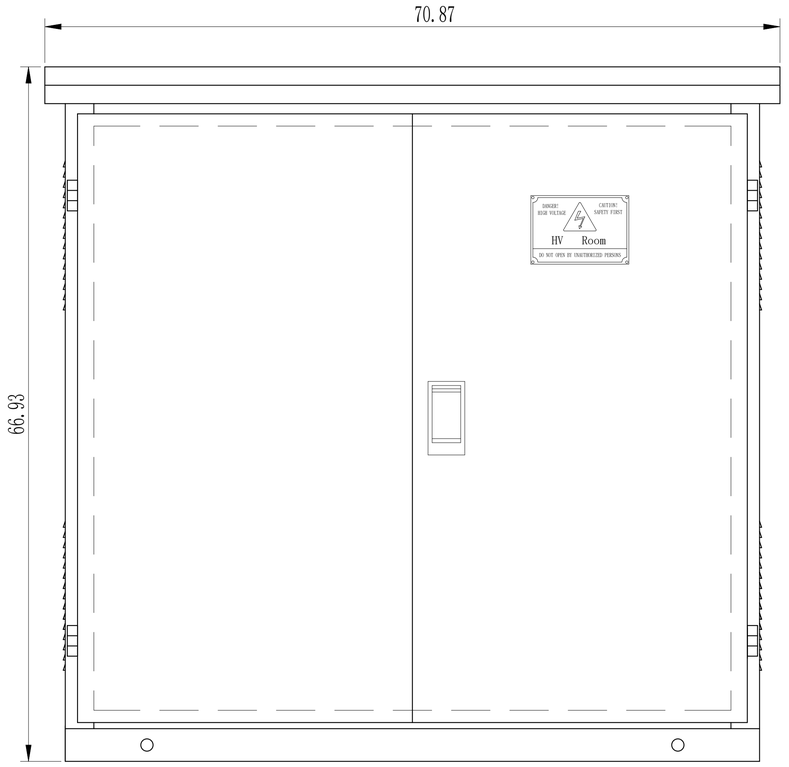
Disconnect Switch

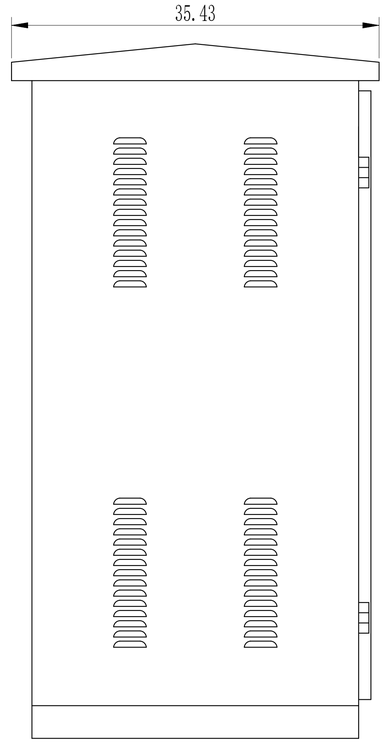
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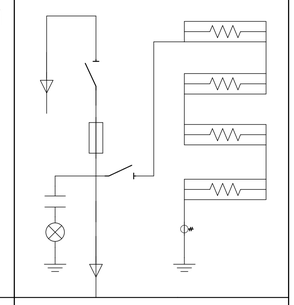
Rated Voltage	13.8	kV	Serial No.	2606242001
Rated Current	200	A	MFG Date	06/2026
Frequency	60	Hz	Standards	IEEE C37.20
Enclosure	NEMA 3R		Phase	3P4W
BIL	95	kV	Materia	Stainless Steel

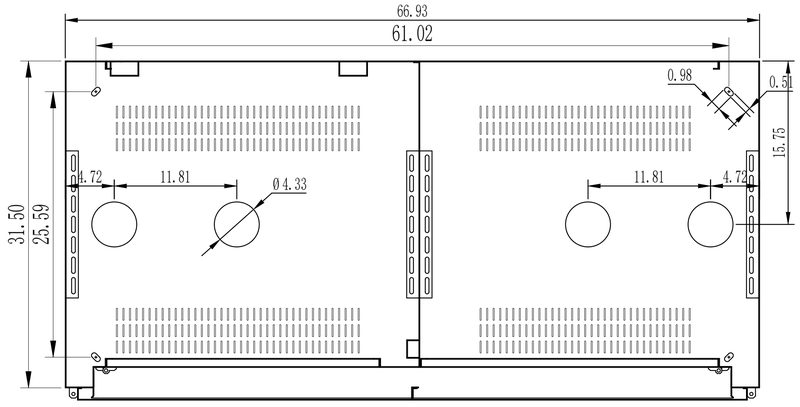
LARSON MAGNETICS

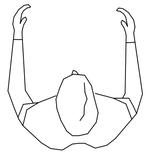
Larson Magnetics LLC
Kemp,TX USA





PANEL NO.	
MAIN BUS POSITION SINGLE LINE DIAGRAM (SLD)	
PANEL TYPE	
PANEL RATED CURRENT	200A
DIMENSION: L*H*W	66.93*59.06*31.50
DS/LS	1
FUSE	200A 3
SURGE ARRESTER	
VOLTAGE INDICATOR	1
GROUNDING RESISTOR	8kV 160Ω 1
CT	600V 50/5A 1
CAPACITY (KW)	
CKT. NO. / DESCRIPTION	
Notes	





Previous Drawing No.

Master Drawing No.

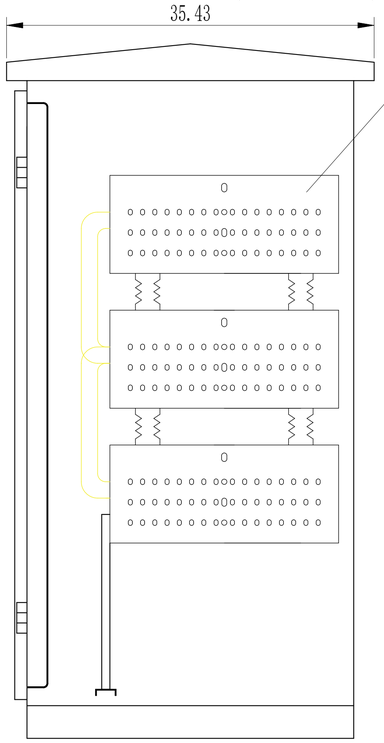
Signature

Date

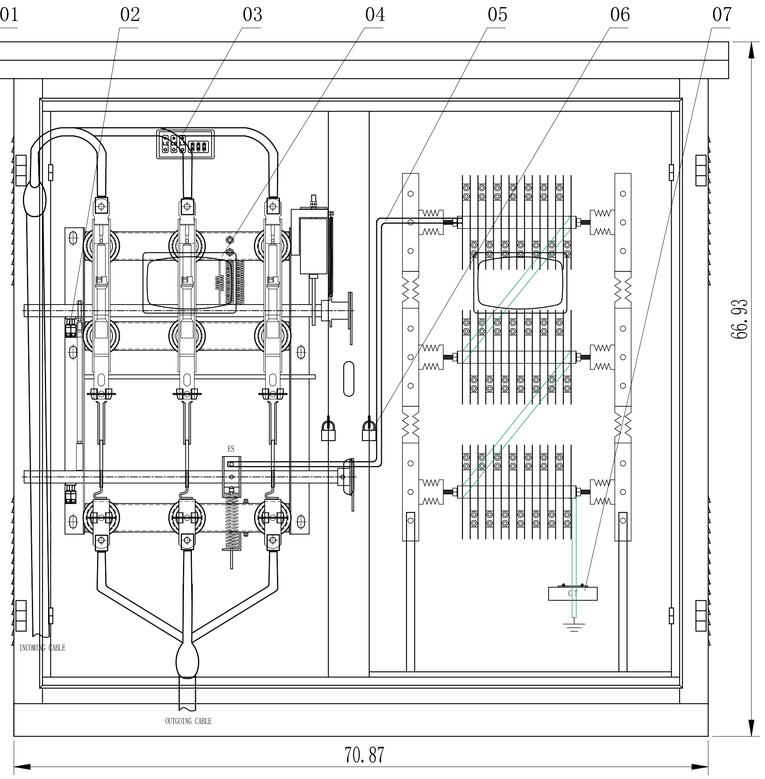
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						Design	HB	Approval		
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Drawing Name		LARSON MAGNETICS
Number		No. 1 Page Tot. 2 Page

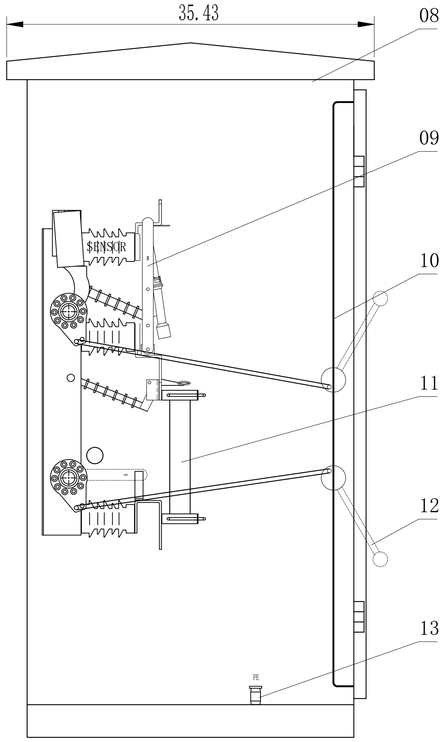
RESISTOR MOUNTING DRAWING (RIGHT SIDE VIEW)

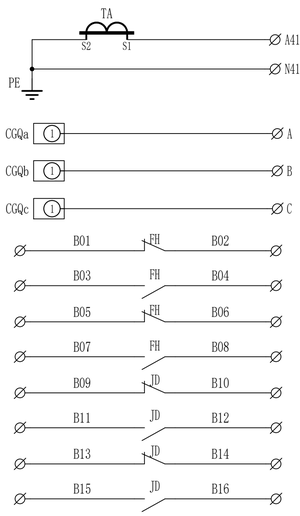


INTERNAL COMPONENT MOUNTING DRAWING (FRONT VIEW)



FUSE-DISCONNECTOR MOUNTING DRAWING (LEFT SIDE VIEW)





CURRENT MEASUREMENT
VOLTAGE INDICATOR
DS OPEN
DS CLOSED
DS OPEN
DS CLOSED
ES OPEN
ES CLOSED
ES OPEN
ES CLOSED

I			
TA:S1	1	A411	
TA:S2	2	N411	
	3		PE
	4		
CGQa:1	5	A	
CGQb:1	6	B	
CGQc:1	7	C	
	8		
FH	9	B01	
FH	10	B02	
FH	11	B03	
FH	12	B04	
FH	13	B05	
FH	14	B06	
FH	15	B07	
FH	16	B08	
JD	17	B09	
JD	18	B10	
JD	19	B11	
JD	20	B12	
JD	21	B13	
JD	22	B14	
JD	23	B15	
JD	24	B16	
	25		

NOTE: TERMINALS SHALL BE MOUNTED ON THE MOUNTING BEAM BELOW THE RESISTOR.

No.	Name	Spec	Qty	
15				
14				
13	GROUND BUS BAR		1	
12	OPERATING HANDLE	Can be removed	2	
11	FUSE	200A 15kV	3	
10	FRONT INNER DOOR		1	
09	HV DS		1	
08	OUTDOOR ENCLOSURE	66.93*70.87*35.43	1	
07	CT		1	
06	PADLOCK		2	
05	EARTHING BRAIDED STRAP	FROM EARTHING SWITCH TO RESISTOR	1	
04	IR INSPECTION WINDOW		2	
03	VOLTAGE INDICATOR		1	
02	AUX. SWITCH (DS POSITION)	2 NO + 2 NC (TOTAL 4 AUXILIARY CONTACTS)	2	
01	GROUNDING RESISTOR	8kV 160Ω	1	

Previous Drawing No.

Master Drawing No.

Signature

Date

Project Name	Mark	Number	Changed file num	Signature	Date	Process	RW	Standardization	
						Design	HB	Approval	
						Verification	RB	Date	2026-07-04

GENERAL ASSEMBLY DRAWING

Drawing Name	
Number	

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No. 2 Page

Tot. 2 Page

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Frequently Asked Questions (FAQ)

There are no Faqs