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MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N3R-FA

Fused Disconnect Switch - 1500V DC Rated, 2-Pole - (2) 1200A Fast Acting PV Fuses - Floor Mount/N3R - LB Capable

Product ID: 326179



Image: MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N3R-FA

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-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N3R-FA Disconnect Switch - Fused Disconnect

Unit Type: Service Entrance Fused Disconnect Switch

Line-In: N/A (customer provided)

Line-In Cord Cap: N/A (customer provided)
Line-In Connections: Terminal Lugs, Lugging 6 sets 600 AL per phase
Line-In Orientation: Bottom Feed, with 12 - 4" conduit knockout punch
Voltage: 1500V DC
Phase: DC
Frequency (Hz):
Protection Method: Fused, (2) 1200A Fuses Included
Protection Type: Fast-Acting PV Fuses
Protection Ampacity: 1200A
Mains Rating: 1200A
Interrupting Rating: Max. 200 kA @ 1500V DC
Disconnect Means: Manual via Handle
Neutral/Ground: Ground lug provided per NEC 250; negative bus optionally bondable to enclosure
Busbar Material: Copper
Ungrounded Connection: Negative is Ungrounded
Load Break Capable: Yes
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Terminal Lugs, Lugging 6 sets 600 AL per pole
Line-Out Orientation: Bottom Feed, with 12 - 4" conduit knockout punch

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 98B – Enclosed & Dead-Front Switches (DC)
NEMA 3R Rated for Indoor and Outdoor Use
Negative is Ungrounded
Load Break Capable

Made in the USA

Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door
Door: (1) Left Hinged Door w/ Pad Lockable Handle
Operating Altitude: ≤ 3,300ft Above Sea Level
Enclosure Material: 11GA Sheet Steel
Enclosure Finish: RAL 70124E
Enclosure Type: NEMA 3R Ventilated
Mount: Floor Mount
Dimensions: 21.65"D x 27.72"W x 59.06"H
Weight: 580 Lbs
Shipping Dimensions: -
Shipping Weight: -
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.

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

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 MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N3R-FA from Larson Electronics is a 1500V DC Fused Disconnect Switch designed for reliable and safe isolation of photovoltaic (PV) and DC power systems at industrial work sites. This fused disconnect includes three 1200-amp, 1500V DC rated fast-acting PV fuses. Designed for floor-mount installations, the disconnect switch is protected by a NEMA 3R rated, 11GA steel enclosure with a ventilated design for cooling.

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

The MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N3R-FA service entrance disconnect provides a safe and reliable means for operators in industrial or renewable energy settings to isolate high-voltage DC circuits. The disconnect switch features a heavy-duty manual operating handle. This unit carries a 200 kA interrupt rating at 1500V DC and supports side, top, and bottom conduit entry. The disconnect switch includes and accepts three 1200-amp, 1500V DC fast-acting PV fuses.

Operation: The disconnect switch features a lockable door with a permanently attached operating handle for manual disconnection. A dead front safety cover shields operators from live parts and fuses. Ventilation allows for inspection while maintaining safety.

Enclosure Design: The disconnect switch is protected by an 11GA sheet steel enclosure with RAL 70124E finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R rated for protection against water, moisture and debris. This rating allows the fused disconnect to be used in indoor and outdoor areas.

Certification:

- NRTL Listed to UL 98B – Enclosed & Dead-Front Switches for DC
- Fuses comply with UL 248-19 / IEC 60269-6 gPV (PV applications)

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

Customization: The MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N3R-FA can be

customized to meet specific operating and power requirements. Example of customizations include:

• Making the fused disconnect portable and certified to NRTL UL 1640 for portable equipment

• Adding single pole camlock connectors for quick connections

• Adding heaters for cold environments

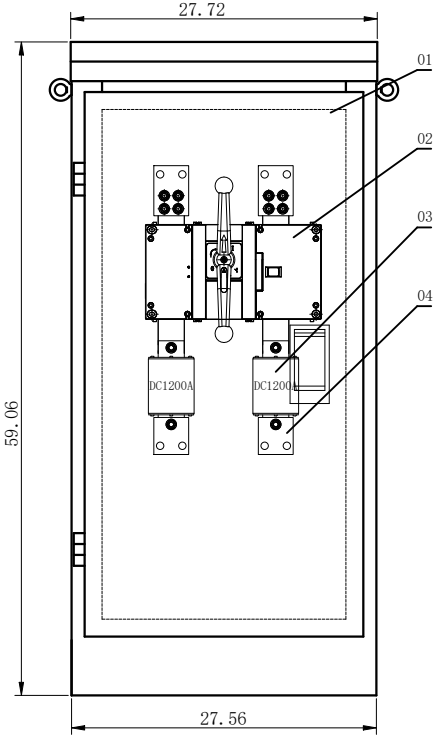
• Aiding alarm relays for trip notification downstream

• Adding power meters

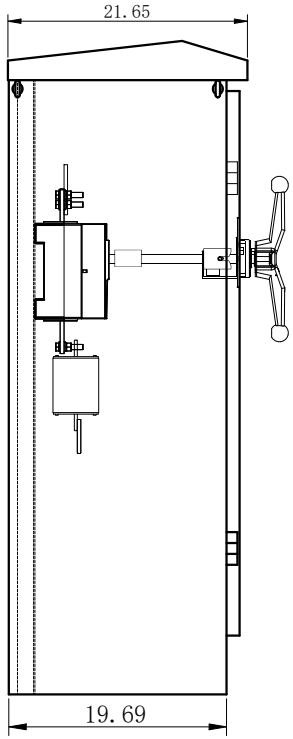
Applications: This disconnect switch is suitable for indoor/outdoor use and applications including, but not limited to, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

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.

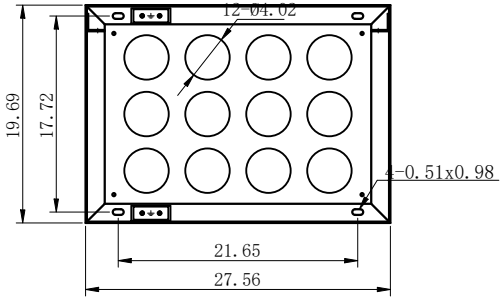
Front View



Side View



Bottom View



Technical Parameters		
01	Enclosure Color	ANSI 49 Grey/RAL 70124E
02	Enclosure Material	Sheet Steel 11GA/t3.0
03	Operating Altitude	≤1000M
04	Operating Environment	Outdoor, floor-mounted
05	Protection Rating	NEMA 3R/IP54
06	Wiring Configuration	Bottom Entry & Exit(Cable)
07	Busbar Configuration	Two-phase, Copper busbar
08	Connection Cable	300-800 MCM/6sets 325 mm²alum cable
09	Rated Voltage	DC 1500V
10	Rated Current	DC 1200A
11		
12	Dimensions Unit	Inches

The unit is converted from millimeters to inches, and the value is rounded to two decimal places.

No.	Name	Type & Spec.	Qty	
10				
09				
08				
07				
06				
05				
04	Main Busbar			
03	Fuse	200A DC1500V	2	
02	Load Switch	DC1500V	1	
01	Outdoor Enclosure	W-27.56*D-19.69*H-59.06	1	

Loan (common) registration
CAD Drawing
Previous Drawing No.
Master Drawing No.
Signature
Date

Project Name	Mark	Number	Changed file No.	Signature	Date	Process	Standardization	Outdoor Switchgear General Installation Drawing	Drawing Name	LARSON MAGNETICS	No. 1 Page
						Design	Approval		Number		Tot. 1 Page
						Verification	Date 2025-12-05				

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Frequently Asked Questions (FAQ)

There are no Faqs