Larson Electronics LLC
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MPD-DS-WM-FDS-2P-2W-1500VDC-1600A-DF-BM-N3R-M1

Fused Disconnect Switch - 1500V DC 1600A Rated, 2-Pole - Wall Mount - NEMA 3R

Product ID: 344514



Image: MPD-DS-WM-FDS-2P-2W-1500VDC-1600A-DF-BM-N3R-M1

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-WM-FDS-2P-2W-1500VDC-1600A-DF-BM-N3R-M1 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 pole
Line-In Orientation: Sides, Top and Bottom Feed
Voltage: 1500V DC
Phase: DC
Frequency:
Protection Method: Fused
Protection Type: Fuses, 1600A
Protection Ampacity: 1600A
Mains Rating (Amps): 1600A
Interrupting Rating: 200 kA @ 1500V DC
Disconnect Means: Manual via Handle
Neutral/Ground: Ground lug provided per NEC 250; negative bus optionally bondable to enclosure
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: Sides, Top and Bottom Feed
Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door
Door: (1) Left Hinged Door w/ Pad Lockable Handle

Ratings

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

Made in the USA

Enclosure Material: 11GA Sheet Steel
Enclosure Finish: ANSI 49 Grey
Enclosure Type: NEMA 3R Ventilated
Mount: Wall Mount
Dimensions: 11.8"D x 19.7"W x 31.5"H
Weight: 151 lb
Shipping Dimensions: 40"-W x 50"-L x 40"-H
Shipping Weight: 201 lb
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-WM-FDS-2P-2W-1500VDC-1600A-DF-BM-N3R-M1 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. Designed for wall-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-WM-FDS-2P-2W-1500VDC-1600A-DF-BM-N3R-M1 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, 1600-amp and supports side, top, and bottom conduit entry.

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. Ventilation allows for inspection while maintaining safety.

Enclosure Design: The disconnect switch is protected by an 11GA sheet steel enclosure with ANSI 49 grey 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 walls.

Customization: The MPD-DS-WM-FDS-2P-2W-1500VDC-1600A-DF-BM-N3R-M1 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.

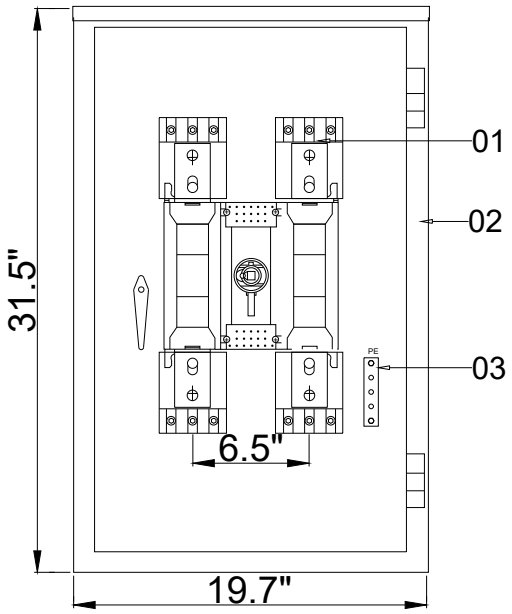
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, 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.

REV	DESCRIPTION	DATE
A	PRODUCT DESCRIPTION	10/30/2026

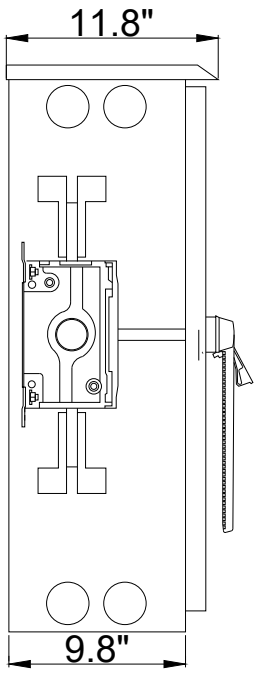
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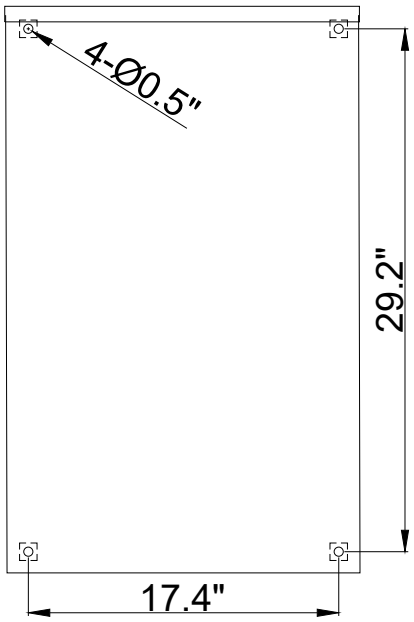
FRONT VIEW



LEFT SIDE VIEW

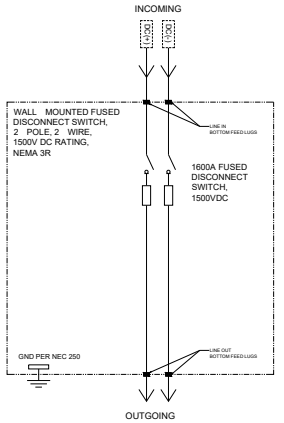


REAR VIEW

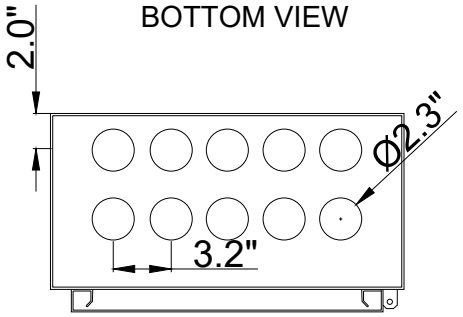


Specification	Value
Unit Type	Service Entrance Fused Disconnect Switch
Voltage	1500 VDC
Current Rating	1600 A
Poles / Wires	2 Pole / 2 Wire
Interrupting Rating	200 kA @ 1500 VDC
Protection Method	Fused Disconnect, 1600A Fuses
Line Connections	Terminal Lugs, 6 sets 600 kcmil AL per pole
Enclosure	NEMA 3R Ventilated, 11GA Sheet Steel, ANSI 49 Grey
Mounting	Wall Mount
Conduit Entry	Bottom Feed,TOP,LEFT,RIGHT

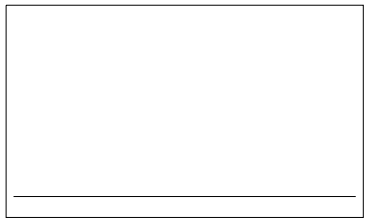
SINGLE LINE DIAGRAM



BOTTOM VIEW



TOP VIEW



CABLE ENTRY / EXIT KNOCKOUTS

Top LH & RH sides: 2 × Ø60 mm (2.36 in) knockouts per side, 4 total.
Bottom LH & RH sides: 2 × Ø60 mm (2.36 in) knockouts per side, 4 total.
Bottom panel: 10 × Ø60 mm (2.36 in) knockouts.

NOTES

Enclosure door shall be right-hand hinged to provide clearance for disconnect operating handle.
Disconnect switch shall be manually operated via external load-break capable handle.

S.No	TAG	Specification	Qty	Remarks
1	Load Break Disconnect Switch	DC 1500V Load Break Disconnect Switch	1	Pad-lockable handle
2	Outdoor Enclosure	Approx. 500 x 800 x 250 mm (19.69 x 31.50 x 9.84 in)	1	
3	Aluminum Ground Busbar	Approx. 60 x 6 mm (2.36 x 0.24 in)		

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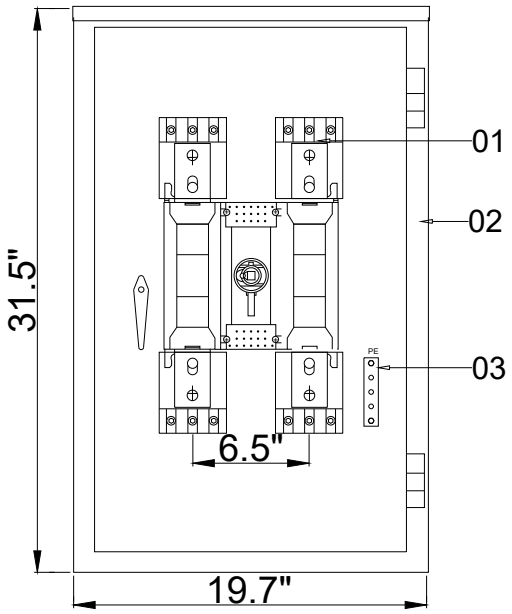
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CHECKED BY	SHEET #	DRAWING #
	01 OF 01	101

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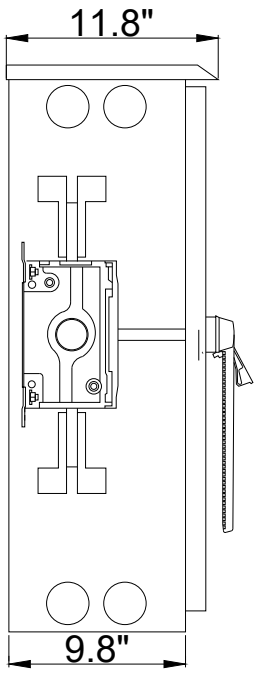
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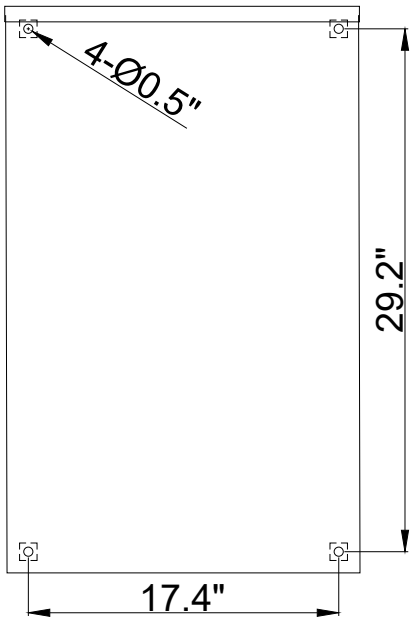
FRONT VIEW



LEFT SIDE VIEW

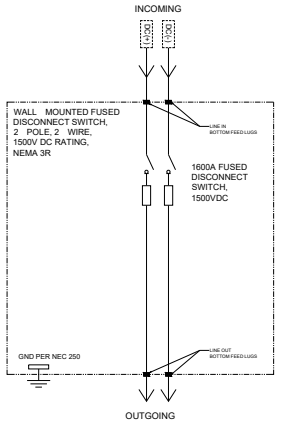


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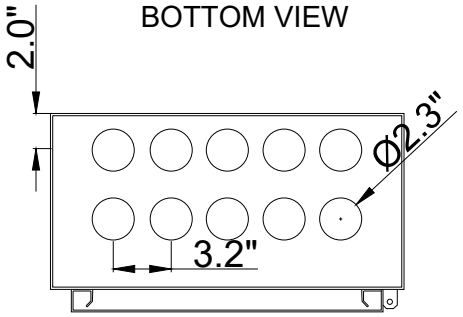


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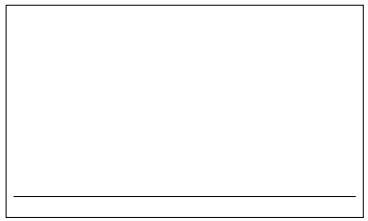
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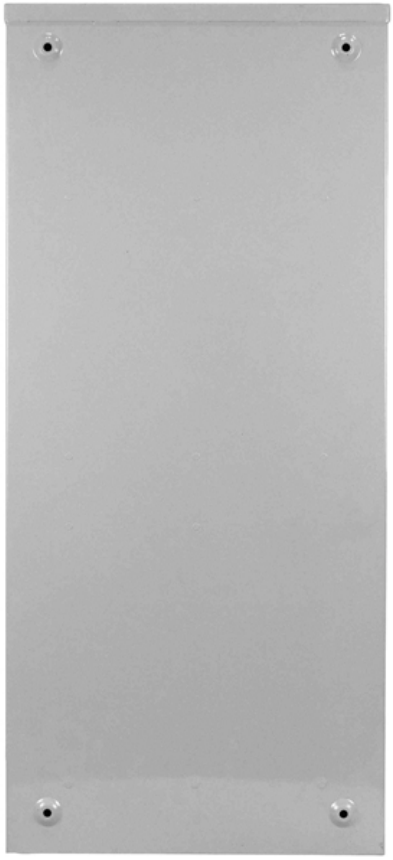
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Frequently Asked Questions (FAQ)

There are no Faqs