

MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1

10 kVA Transformer w/ Built-in Panelboard, 480V-120V 1PH, (1) 25A 2P & (10) 15A 2P MCB Breakers

Product ID: 309277

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 Power Distribution

**Line-In Cord: Not Included - Requires Minimum Use Wiring 25A Rated Cu @ [600V]
(**Customer Provided**)**

**Line-in Cord Cap: Not Included - Requires Maximum Use Device 25A @ [480V]
(**Customer Provided**)**

Primary Voltage: 480V AC

Primary Phase: 1-Phase (1PH)

Primary Frequency: 60 Hz (60-cycles)

Primary Panel: N/A

Primary Breaker(s): (1) 25A 2P MCB [480V]

Primary Outlet(s): N/A

Primary Protection: MCB Circuit Breaker

Transformer: 10KVA 480V to 120V 1PH N3R

Secondary Voltage: 120V AC

Secondary Phase: 1-Phase (1PH)

Secondary Frequency: 60 Hz (60-cycles)

Secondary Panel: 120V 1PH 100A MCCB Hinged N3R

Secondary Breaker(s): (10) 15A 2P MCB [125V]

Secondary Outlet(s): N/A

Secondary Protection: MCB Circuit Breakers

Form Factor: Blue Powder Coated Wall Mountable N3R Enclosure

Frame Materials: -

Mount: Wall Mount

Dimensions: -

Ratings

Max OCP Primary: 25A @ 480V

Max Secondary Output: 83.3A @ 120V

NRTL Certified to UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor / Outdoor Use

Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

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.

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

The MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 from Larson Electronics is a Transformer with Built-in Panelboard that is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications, this power distribution system converts single-phase 480V AC to single-phase 120V AC. The MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 is equipped with a built-in panelboard which features eleven total MCB breakers.

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

Transformer Features: With a transformer rating of 3 KVA, the MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 is a single-phase unit with a primary voltage of 480V AC. It also provides a secondary voltage of single-phase 120V AC. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

Operation:

- Primary Voltage: 480V AC 1PH
- Primary Panel: N/A
- Primary Breaker(s): (1) 25A 2P MCB [480V]
- Primary Outlet(s): N/A
- Transformer: 10KVA 480V to 120V 1PH N3R
- Secondary Voltage: 120V AC 1PH
- Secondary Panel: 120V 1PH 100A MCCB Hinged N3R
- Secondary Breaker(s): (10) 15A 2P MCB [125V]
- Secondary Outlet(s): N/A

*See specification table at the top of the page for more information about the power distribution system.

This resin encapsulated unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The Standard NEMA Type 3R enclosure makes the unit suitable for both indoor and outdoor applications. This system is compatible with wall mounting installations.

Built-in Panelboard: The MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 is equipped with a built-in panelboard. This all-in-one design helps to save time, space, and money by eliminating the need to buy, assemble, and install several different components. Instead, you can rely on the MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 as a complete transformer and panelboard all contained within a NEMA 3R rated enclosure. The built-in panelboard features a primary MCB breaker for robust applications. The 10-amp primary breaker is not stab-in or bolt-in types. Din rail mounting parts are available for mounting breakers, as well as removable plates for covering circuits that are not used.

Benefits: The MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 offers many benefits to the consumer. Precision cut aluminum transformer winding material help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations.

This transformer with built-in panelboard provides owners with significant energy savings as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership.

Safety: The MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 provides operators with an increased level of protection against electric shock. This transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MPD-B2N1-TB.25AB-SE10SW-CL-10.R25-M1 achieves these safety features by separating or "isolating" the powered

device from the power source and insulation between the primary and secondary power sources.

Applications: Applications that require an all-in-one encapsulated transformer and panelboard solution.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.



Frequently Asked Questions (FAQ)



Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [ANSI Certificate 1](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [Catalog Page - Product Series](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 5, Misc](#)
- [MSDS \(Material Safety Data Sheet](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [Single Line Diagram \(One-Line Diagram\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram](#)
- [HigResPic1](#)
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- [ISO 9001 Certification](#)
- [Business Certificate](#)
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