Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2

30 KVA Portable Power Distro, 480V-240V/120 3PH, (1) CS8269 & (4) 5-20R Duplex, 25' Line-In - 18" Above Ground Mounting

Product ID: 150146



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-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2 -Temporary Power Distribution System

Line-in Cord: 25' #6/4 AWG TYPE SOOW Cord [600V]
Line-in Cord Cap: Not Included - Requires Minimum Use Device 45A @ [480V] (**Customer Provided**)
Primary Voltage (V): 480V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Breaker: (1) 45A 3P MCCB [480V]
Primary Protection: MCCB Circuit Breaker
Transformer (KVA): 30KVA 480V to 240D/120V 3PH N3R
Secondary Voltage (V): 240/120V AC Delta
Secondary Phase (PH): 3-Phase (3PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 240D/120V 3PH 72.2A MLO Hinged N3R
Secondary Breakers: (1) 50A 2P MCB [250V]; (4) 20A 1P MCB [125V]
Secondary Outlets: (1) CS8269 California Std Twist-Lock [250V]; (4) 5-20R NEMA GFCI-DPLX [125V]
Secondary Protection: MCB Circuit Breakers; GFCI's
Form Factor: Blue Powder Coated XL-MGL Cart w/ Run Flat Tires
Front Cover: Weatherproof Lid w/ Front-located Handle and Lock
Cover Locking Position: Upward w/ Internal Locks on Both Sides of the Lid
Vibration Isolators: Transformer and Breakers
Drain Plug: Panel
Cart Material: Steel
Cart Finish: High-Strength TGIC Polyester Powder Coated Blue
Cart Handle Orientation: Horizontal
Lifting Eyelet: (1) Center Point
Wheels: (2) Runflat Inflatable Tires [Rear] & (2) Swivel Casters [Front]

Ratings

Max Primary OCP: 45A @ 480V
Max Secondary Output: 72.2A @ 240V
NEMA 3R Indoor or Outdoor Use
NEMA 3R In-Use Weather Shield
Made in the USA
NRTL Certified to UL 1640
NRTL Certified to CSA C22.2 No. 14

Powder Coat Finish Standards:

Complies with ASTM D-523
Complies with ASTM D-3359
Complies with ASTM D-522
Complies with ASTM D-3363
Complies with ASTM D-2794

Special Orders - Requirements

Contact us for special requirements

Phone: 1-214-616-6180
Toll Free: 1-800-369-6671

Dimensions: 48"-W x 42"-D x 66.5"-H

Weight: 1150 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.

Fax: 1-903-498-3364

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 Texas

The MPD-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2 from Larson Electronics is a Temporary Power Distribution System that converts three-phase 480V AC Delta electrical current into three-phase 240/120V AC. This unit provides operators the ability to safely tap into and distribute 480V AC power from a variety of sources including generators and direct grid power. All components are mounted at a minimum height of 18" from the ground.

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

The MPD-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2 temporary power distribution system gives operators the ability to power their 120 volt equipment from a single system.

Operation:

- Primary Voltage: 3-phase 480V AC, Delta
- Primary Receptacles: N/A
- Transformer: 30KVA 480V to 240D/120V 3PH N3R
- Secondary Voltage: 3-phase 240/120V AC, Delta
- Secondary Receptacles: (1) CS8269 California Std Twist-Lock [250V]; (4) 5-20R NEMA GFCI-DPLX [125V]

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

Protective Construction: A weatherproof flip cover at the front of the unit can be lifted upwards via an accessible handle, which serves as protection for (primary and secondary) breakers and receptacles in rugged environments when deployed at the site. Operators may access locks on the door and on the ears (accessible from the inside of the lid) of the panel. The panel can be positioned upwards and locked in place for easy access to receptacles and breakers. A drain plug on the panel helps the power distribution system achieve a NEMA 3R rating, allowing the unit to be used in both indoor and outdoor locations.

The transformer is protected by vibration isolators that reduce damage to exterior jacket of wiring components and decrease noise during operation. In MGL-style power distribution systems, the presence of vibration isolators ensures wiring between the transformer and panel is well protected and does not have to be frequently replaced. Vibration isolators can also be found on the breakers, which protect the breakers from damage, prevent loose bolts/nuts and reduce overall noise during use in the field.

The power distribution system is constructed of steel with a polyester powder coated blue finish for durability against dirt, moisture and mild corrosion. This special coating creates a high-strength barrier for protection from accidental bumps and scratches. The TGIC polyester powder coat finish offers reliable resistance against chemicals, UV light (sun light) and degrading elements in outdoor locations. Our powder coating solution ensures robust color retention for many years without fading. Custom colors, such as black, grey, desert tan or forest green, and galvanized finishes are available upon request. Non-standard powder coat colors or galvanized finishes may increase price and lead times.

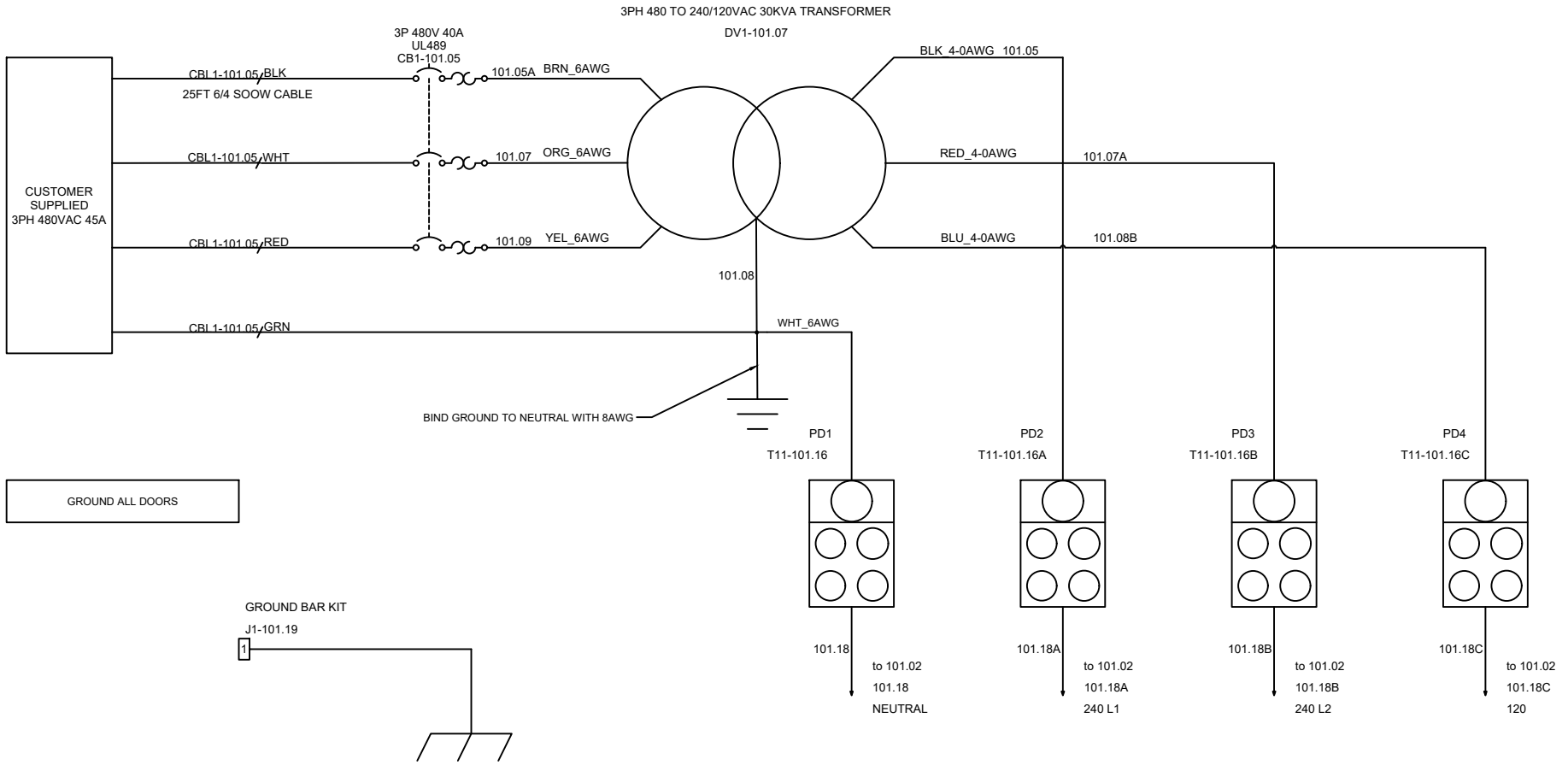
The transformer and load center/distribution assembly is mounted to a standard steel cart style frame resulting in an extremely stable, durable, and mobile power distribution platform. Two rotating urethane casters in the front and two inflatable run-flat tires in the rear on this cart style mounting platform provides easier substation mobility, and a center point lift eye allows easy lifting with cable or chain hooks. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. Larger units are available upon

request and can be equipped with skids or trailer mounted.
Certification: All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 3R rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 4 and NEMA 4X equipment can be equipped upon request.
Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth ground.
~Please check all motor loads for dual rated motors that will work 208 or 240.~
Applications: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where external power sources are often necessary. We also offer class rated transformers for use within explosion proof and hazardous location environments.
Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, 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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	08/15/2022

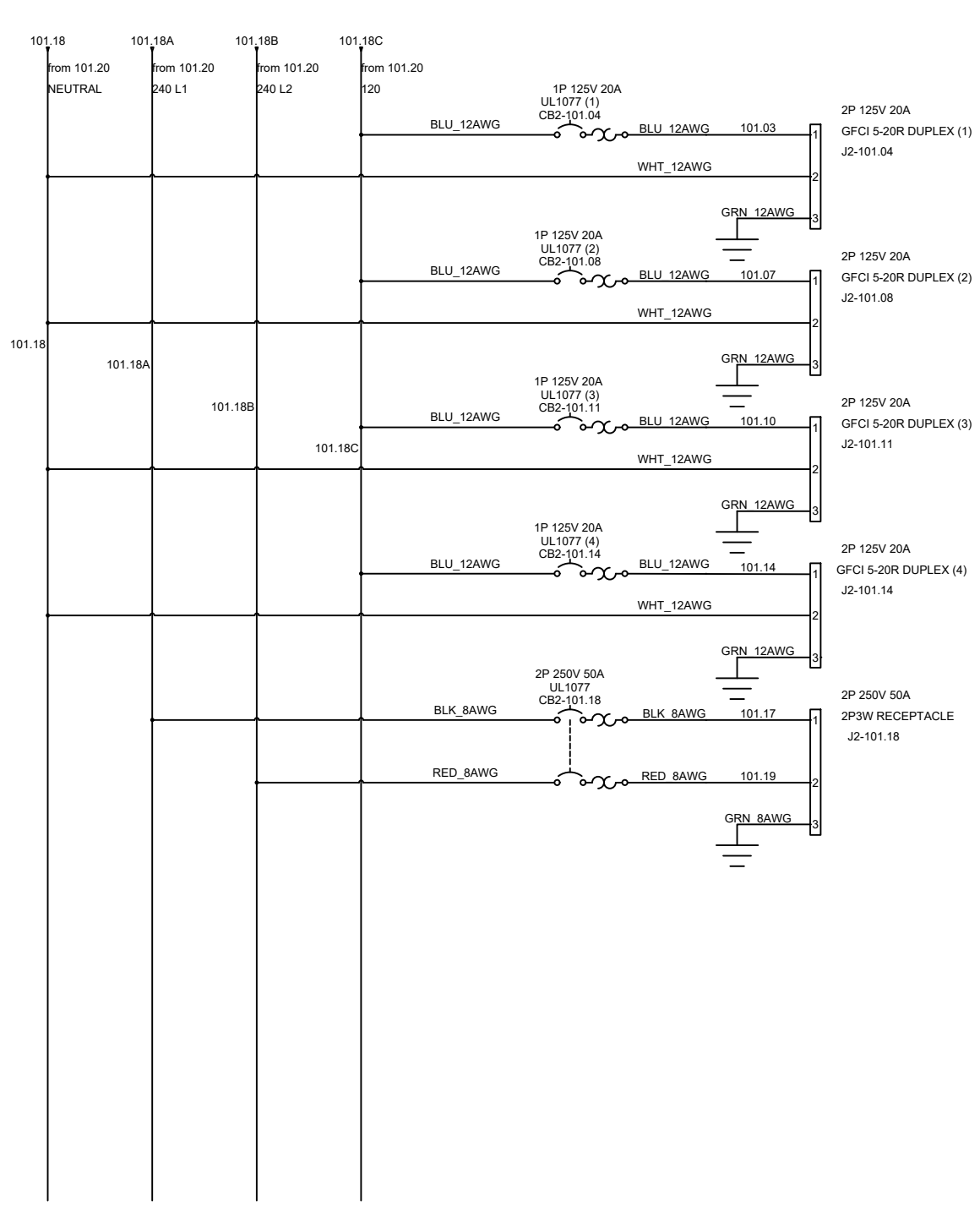
MPD-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2

LARSON ELECTRONICS®



LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
MPD-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2			
DRAWN BY	S. MAZZOCCHI	DATE	08/15/2022	REV	A
CHECKED BY	A. CIBISOVS	SHEET #	1 OF 3	DRAWING #	101



LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: MPD-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2		
	DRAWN BY: S. MAZZOCCHI	DATE: 08/15/2022	REV: A
	CHECKED BY: A. CIBISOVS	SHEET #: 2 OF 3	DRAWING #: 102

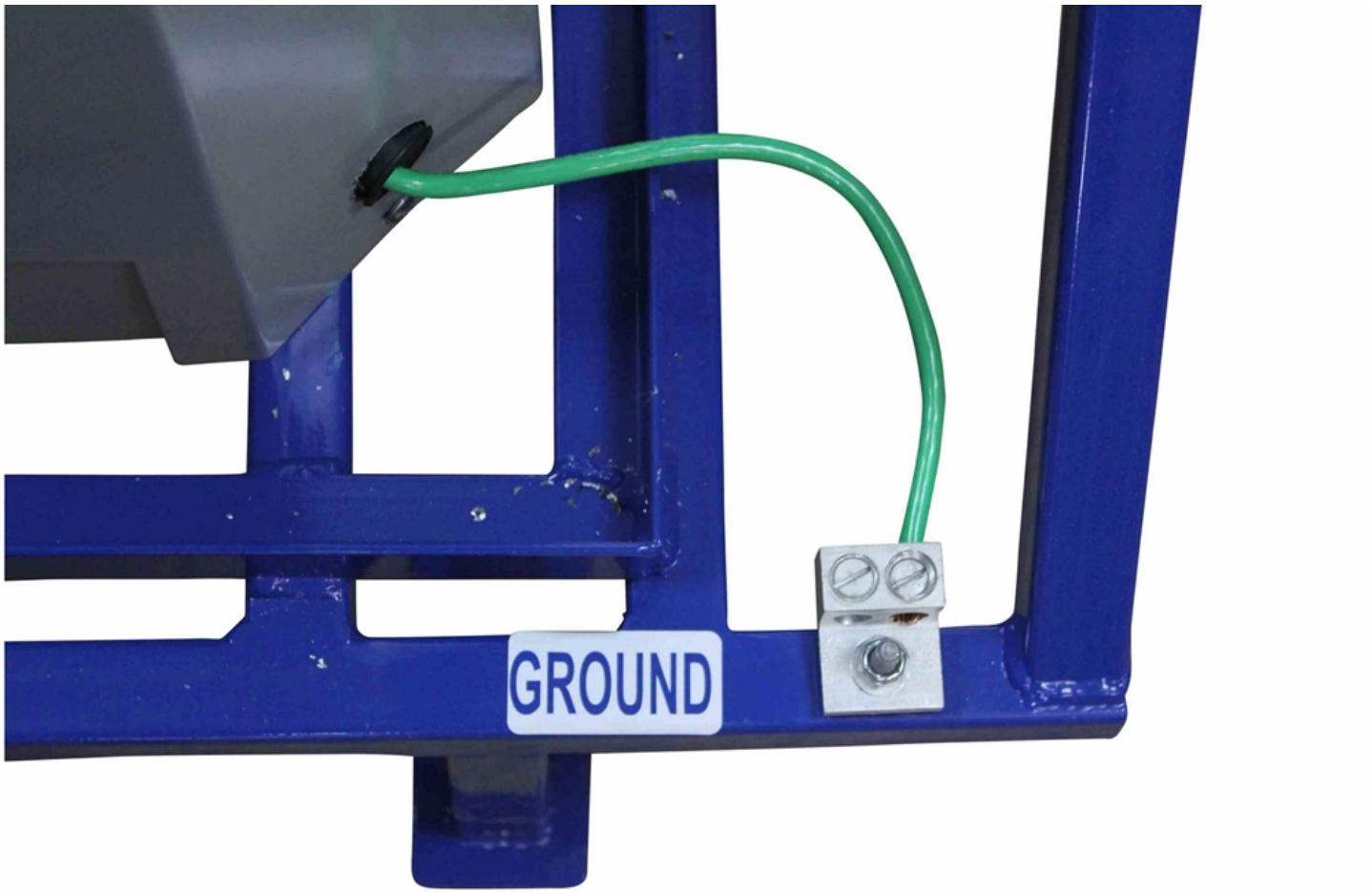
TAGS	QTY	CATALOG	DESCRIPTION
J2-101.04 J2-101.08 J2-101.11 J2-101.14	4	UNV00002760	5-20R DUPLEX GFCI RECEPTACLE 20AMP 125V
J2-101.18	1	UNV00008819	CS8269 2P 50A 250V LOCK RECEPTACLE
J1-101.19	1	UNV00013942C	2 HOLE GROUND LUG
CB1-101.05	1		3P 40A 480V DIN RAIL BREAKER
CB2-101.04 CB2-101.08 CB2-101.11 CB2-101.14	4	UNV00015144	1 P 20 AMP 120/240VAC DIN RAIL MOUNT BREAKER
CB2-101.18	1	UNV00015154	2P 50 AMP 250V DIN RAIL BREAKER
T11-101.16 T11-101.16A T11-101.16B T11-101.16C	4	UNV00015085	POWER DISRIBUTION BLOCK 1-12 OPENING 570A
CBL1-101.05	1	UNV00007446	6/4 SOOW CABLE
DV1-101.07	1	UNV00015204	3PH 480 TO 240/120VAC 30KVA TRANSFORMER

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MPD-CD2-BS.45AB-DE30DP-EZ-1.C02-4.N10-M2			
DRAWN BY	DATE	REV	
S. MAZZOCCHI	08/15/2022	A	
CHECKED BY	SHEET #	DRAWING #	
A. CIBISOVS	3 OF 3	103	




SIEMENS
ON
OFF
CAUTION
480 VOLTS


GROUND



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: MGL, MPD, MGS, WAL Series
Description: Power Distribution Systems

Evaluated Listings:

ETL: UL 1640 - NEC / United States standards
ETL: CAN/CSA-C22.2 No. 14 – CEC / Canada standards

The MGL, MPD, MGS, WAL Series are certified to NEC and CEC standards for power distribution systems. These units are constructed using individual components certified to NEC and CEC standards, and are built to UL 1640 and CAN/CSA C22.2 No 14.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX
Date of issue: September 11, 2019

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com

<- Back

Product Description

Title:	STAGE & STUDIO PORTABLE WIRING COMPARTMENTS
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Power Distribution System, Model Nos. MGL, MPD, MGS, WAL series; Followed by AAK-PBB.FFF-SCC.GGG-EEXCCC.DDD; Where AA = 2,3,5,7,9,15,20,25,30,45,50,75; BB = 1P, 3P; FFF = 480,240,208,120; CC = 1P,3P; GGG = 480,240,208,120; EE = # of outlets; CCC = voltage; DDD = outlet amperage.
Evaluated to the following:	A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Stage & Studio Portable Wiring Compartments (UL-1640) and are identified with the ETL Listed Mark.

<- Back

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Product Description

Title:	INDUSTRIAL CONTROL EQUIPMENT
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Industrial Control Panels For General Use. Power Distribution System, Model Nos. MGL, MPD, MGS series; Followed by AAK-PBB.FFF-SCC.GGG-EEXCCC.DDD; Where AA = 2,3,5,7,9,15,20,25,30,45,50,75; BB = 1P, 3P; FFF = 480,240,208,120; CC = 1P,3P; GGG = 480,240,208,120; EE = # of outlets; CCC = voltage; DDD = outlet amperage.
Evaluated to the following:	A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Industrial Control Equipment (CAN/CSA-C22.2 No. 14) and are identified with the cETL Listed Mark.

<- Back

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ETL listed products that are in doubt or for products that do not appear in the directory, please request a verification of certification.
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