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MPD-CW2-82.200A-YE75YT-TVS-CLR6E3928L443798C4N9-M1

75 KVA Portable Distribution Skid, 480Y/277-208Y/120 3PH, (1) 560R9W (8) L21-30R (2) CS6369 (4) L6-30R (4) L6-20R (12) 5-20R, NEMA 3R

Product ID: 296189



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-CW2-82.200A-YE75YT-TVS-CLR6E3928L443798C4N9-M1 -Temporary Power Distribution System

Line In: N/A
Line-in Cord Cap: DS2504MR000 UL 1682 Pin & Sleeve 200A Pin & Sleeve Male Inlet [480V]
Primary Voltage (V): 480Y/277V AC Wye
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: 480Y/277V 3PH 200A MLO Hinged N3R w/TVSS, Power Indicators & Safety Voltage Test Points
Primary Feed-Thru: (1 Set) 400A Single-pole 16-Series Female Camlock Receptacles [green, white, brown, orange, yellow] [600V] w/ Flip Covers
Primary Breaker(s): (2) 100A 3P MCCB [480V]; (8) 30A 3P MCCB [480V]
Primary Outlet(s): (1) 5100R7W IEC 60309 Pin & Sleeve 200A Pin & Sleeve [480Y/277V]; (8) HBL20443 IP30 UL94 Twist-Lock [250V]
Primary Protection: MCCB Circuit Breakers; TVSS; Power Indicators; Safety Voltage Test Points
Transformer (KVA): 75KVA 480V to 208Y/120V 3PH N3R
Secondary Voltage (V): 208Y/120V AC Wye
Secondary Phase (PH): 3-Phase (3PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 208Y/120V 3PH 208.2A MLO Hinged N3R w/TVSS, Power Indicators & Safety Voltage Test Points
Secondary Feed-Thru: (1 Set) 400A Single-pole 16-Series Female Camlock Receptacles [green, white, black, red, blue] [600V] w/ Flip Covers
Secondary Breaker(s): (1) 60A 3P MCCB [250V]; (8) 30A 3P MCB [250V]; (2) 50A 2P MCB [250V]; (4) 30A 2P MCB [250V]; (4) 20A 2P MCB [250V]; (12) 20A 1P MCB [125V]
Secondary Outlet(s): (1) 560R9W IEC 60309 Pin & Sleeve 200A Pin & Sleeve [208Y/120V]; (8) L21-30R NEMA Twist-Lock [208Y/120V]; (2) CS6369 Cal-std Twist-Lock [125/250V]; (4) L6-30R NEMA Twist-Lock [250V]; (4) L6-20R NEMA Twist-Lock [250V];

Ratings

Max Primary OCP: 200A @ 480V

Max Secondary Output: 208.2A @ 208V

NEMA 3R Indoor or Outdoor Use
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

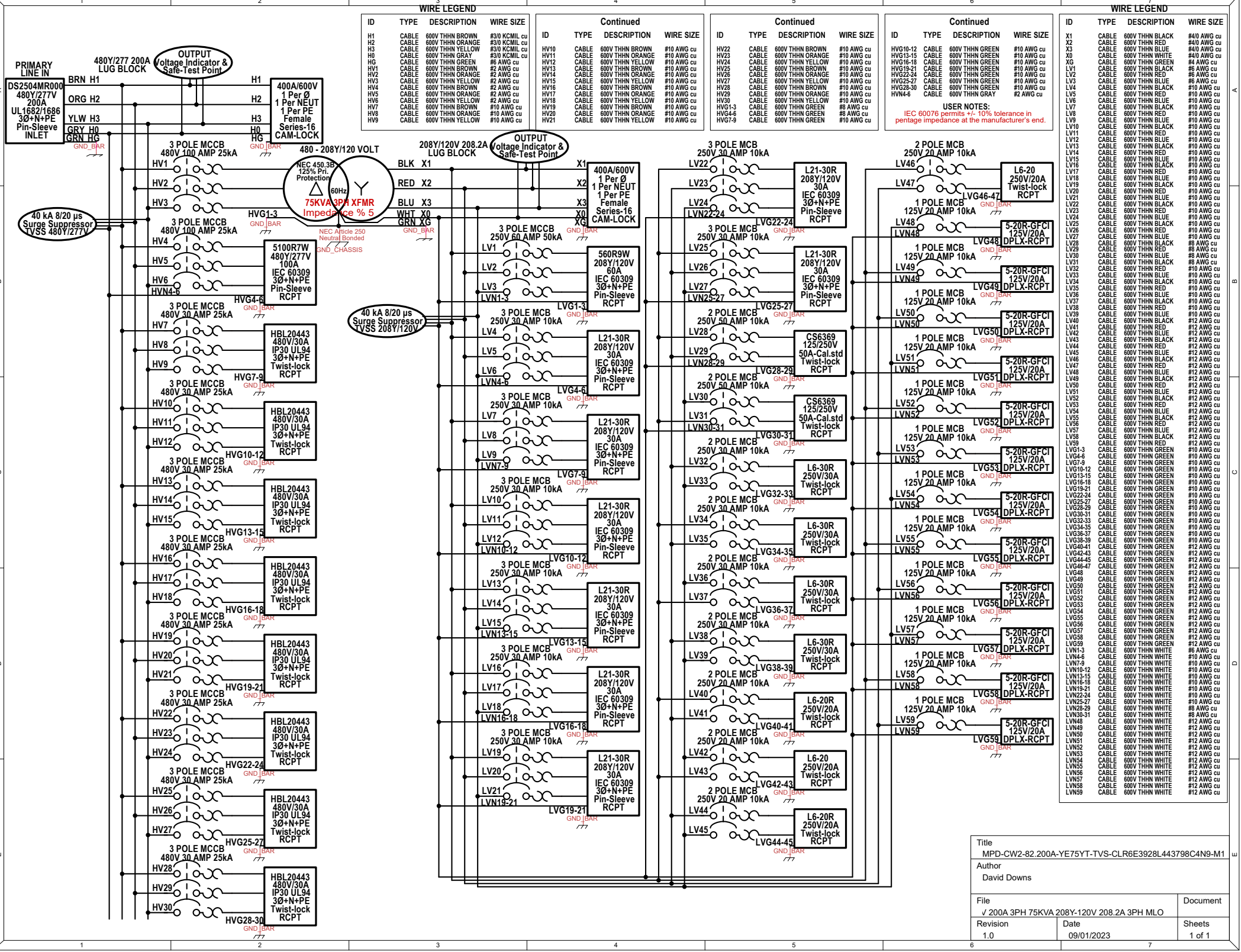
Complies with ASTM D-2794

(12) 5-20R NEMA DPLX [125V]
Secondary Protection: UL 489 MCCB Circuit Breaker; UL 489 MCB Circuit Breakers; TVSS; Power Indicators; Safety Voltage Test Points
Form Factor: RAL 9005 Black Powder Coat Powder Coated Steel Enclosed Cube w/ Casters
Doors: (2)
Frame Material: Steel
Frame Finish: High-Strength TGIC Polyester Powder Coated RAL 9005 Black
Cart Handle Orientation: Horizontal
Lifting Eyelet: (4) Top Located
Skid Pockets: (2) Bottom Located
Casters: (4) Locking Casters
Dimensions: (*Please note that dimensions are approximate and subject to change*) 88.4"-L X 33.5"-W X 73.7"-H
Weight: (*Please note that weight is approximate and subject to change*) 3,450 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 - Requirements
Contact us for special requirements
Phone: 1-214-616-6180
Toll Free: 1-800-369-6671
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-CW2-82.200A-YE75YT-TVS-CLR6E3928L443798C4N9-M1 from Larson Electronics is a Power Distribution Substation that converts three-phase 480Y/277V AC Wye electrical current to three-phase 208Y/120V AC Wye. This fully enclosed power distribution unit provides operators the ability to safely tap into and distribute 480Y/277V AC Wye power from a variety of sources including generators and direct grid power.
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*
The MPD-CW2-82.200A-YE75YT-TVS-CLR6E3928L443798C4N9-M1 temporary power distribution system gives operators the ability to power their 480 volt, 208 volt, and 120 volt equipment from a single system.
Operation:
• Primary Voltage: 480Y/277V AC Wye 3PH
• Primary Panel: 480Y/277V 3PH 200A MLO Hinged N3R w/TVSS, Power Indicators & Safety Voltage Test Points
• Primary Feed-Thru: (1 Set) 400A Single-pole 16-Series Female Camlock Receptacles [green, white, brown, orange, yellow] [600V] w/ Flip Covers
• Primary Breaker(s): (2) 100A 3P MCCB [480V]; (8) 30A 3P MCCB [480V]
• Primary Outlet(s): (1) 5100R7W IEC 60309 Pin & Sleeve 200A Pin & Sleeve [480Y/277V]; (8) HBL20443 IP30 UL94 Twist-Lock [250V]
• Transformer: 75KVA 480V to 208Y/120V 3PH N3R
• Secondary Voltage: 208Y/120V AC Wye 3PH
• Secondary Panel: 208Y/120V 3PH 208.2A MLO Hinged N3R w/TVSS, Power Indicators & Safety Voltage Test Points
• Secondary Feed-Thru: (1 Set) 400A Single-pole 16-Series Female Camlock Receptacles [green, white, black, red, blue] [600V] w/ Flip Covers
• Secondary Breaker(s): (1) 60A 3P MCCB [250V]; (8) 30A 3P MCB [250V]; (2) 50A 2P MCB [250V]; (4) 30A 2P MCB [250V]; (4) 20A 2P MCB [250V]; (12) 20A 1P MCB [125V]
• Secondary Outlet(s): (1) 560R9W IEC 60309 Pin & Sleeve 200A Pin & Sleeve [208Y/120V]; (8) L21-30R NEMA Twist-Lock [208Y/120V]; (2) CS6369 Cal-std Twist-Lock [125/250V]; (4) L6-30R NEMA Twist-Lock [250V]; (4) L6-20R NEMA Twist-Lock [250V]; (12) 5-20R NEMA DPLX [125V]
*See specification table at the top of the page for more information about the power distribution system.
Protective Construction: This temporary power distribution unit is fully enclosed and is ruggedly constructed to withstand demanding conditions and industrial applications. The system is accessible via two doors at each end for access to breakers on the panels and a center-located door for access to receptacles. The model is equipped with bottom-located forklift skid pockets and four top-located lifting eyelets, which allows easy lifting with cable or chain hooks. Four locking

casters at the base provides mobility around work sites.
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 cube style frame resulting in an extremely stable, durable and mobile power distribution platform. 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 NRTL 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.



WIRE LEGEND

ID	TYPE	DESCRIPTION	WIRE SIZE
H1	CABLE	600V THHN BROWN	#3/0 KCMIL cu
H2	CABLE	600V THHN ORANGE	#3/0 KCMIL cu
H3	CABLE	600V THHN YELLOW	#3/0 KCMIL cu
H0	CABLE	600V THHN GRAY	#3/0 KCMIL cu
HG	CABLE	600V THHN GREEN	#6 AWG cu
HV1	CABLE	600V THHN BROWN	#2 AWG cu
HV2	CABLE	600V THHN ORANGE	#2 AWG cu
HV3	CABLE	600V THHN YELLOW	#2 AWG cu
HV4	CABLE	600V THHN BROWN	#2 AWG cu
HV5	CABLE	600V THHN ORANGE	#2 AWG cu
HV6	CABLE	600V THHN YELLOW	#2 AWG cu
HV7	CABLE	600V THHN BROWN	#10 AWG cu
HV8	CABLE	600V THHN ORANGE	#10 AWG cu
HV9	CABLE	600V THHN YELLOW	#10 AWG cu

Continued

ID	TYPE	DESCRIPTION	WIRE SIZE
HV10	CABLE	600V THHN BROWN	#10 AWG cu
HV11	CABLE	600V THHN ORANGE	#10 AWG cu
HV12	CABLE	600V THHN YELLOW	#10 AWG cu
HV13	CABLE	600V THHN BROWN	#10 AWG cu
HV14	CABLE	600V THHN ORANGE	#10 AWG cu
HV15	CABLE	600V THHN YELLOW	#10 AWG cu
HV16	CABLE	600V THHN BROWN	#10 AWG cu
HV17	CABLE	600V THHN ORANGE	#10 AWG cu
HV18	CABLE	600V THHN YELLOW	#10 AWG cu
HV19	CABLE	600V THHN BROWN	#10 AWG cu
HV20	CABLE	600V THHN ORANGE	#10 AWG cu
HV21	CABLE	600V THHN YELLOW	#10 AWG cu

Continued

ID	TYPE	DESCRIPTION	WIRE SIZE
HV22	CABLE	600V THHN BROWN	#10 AWG cu
HV23	CABLE	600V THHN ORANGE	#10 AWG cu
HV24	CABLE	600V THHN YELLOW	#10 AWG cu
HV25	CABLE	600V THHN BROWN	#10 AWG cu
HV26	CABLE	600V THHN ORANGE	#10 AWG cu
HV27	CABLE	600V THHN YELLOW	#10 AWG cu
HV28	CABLE	600V THHN BROWN	#10 AWG cu
HV29	CABLE	600V THHN ORANGE	#10 AWG cu
HV30	CABLE	600V THHN YELLOW	#10 AWG cu
HVG1-3	CABLE	600V THHN GREEN	#8 AWG cu
HVG4-6	CABLE	600V THHN GREEN	#8 AWG cu
HVG7-9	CABLE	600V THHN GREEN	#10 AWG cu

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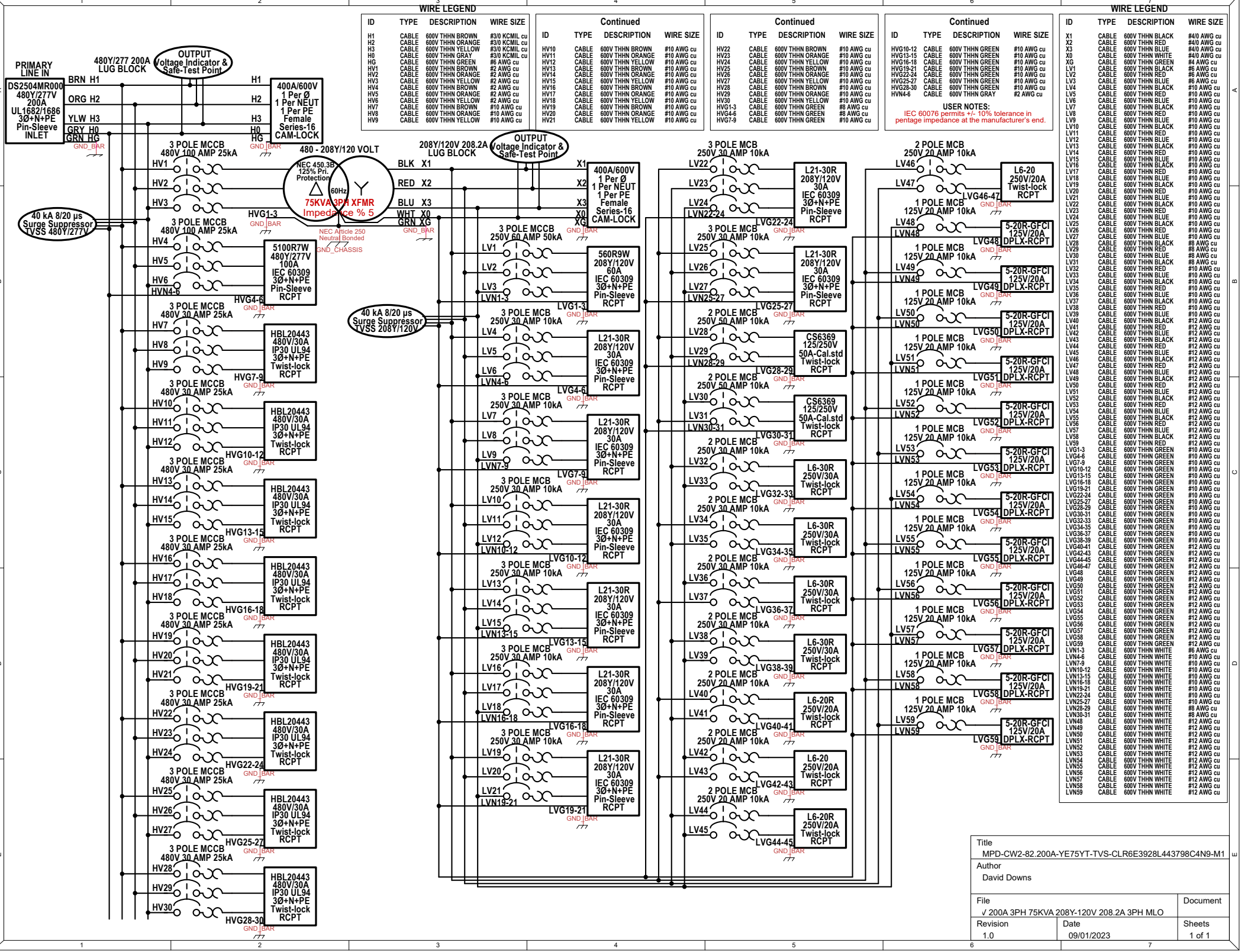
ID	TYPE	DESCRIPTION	WIRE SIZE
HVG10-12	CABLE	600V THHN GREEN	#10 AWG cu
HVG13-15	CABLE	600V THHN GREEN	#10 AWG cu
HVG16-18	CABLE	600V THHN GREEN	#10 AWG cu
HVG19-21	CABLE	600V THHN GREEN	#10 AWG cu
HVG22-24	CABLE	600V THHN GREEN	#10 AWG cu
HVG25-27	CABLE	600V THHN GREEN	#10 AWG cu
HVG28-30	CABLE	600V THHN GREEN	#10 AWG cu
HVN4-6	CABLE	600V THHN GRAY	#2 AWG cu

USER NOTES:
IEC 60076 permits +/- 10% tolerance in pentage impedance at the manufacturer's end.

WIRE LEGEND

ID	TYPE	DESCRIPTION	WIRE SIZE
X1	CABLE	600V THHN BLACK	#4/0 AWG cu
X2	CABLE	600V THHN RED	#4/0 AWG cu
X3	CABLE	600V THHN BLUE	#4/0 AWG cu
X0	CABLE	600V THHN WHITE	#4/0 AWG cu
XG	CABLE	600V THHN GREEN	#4 AWG cu
LV1	CABLE	600V THHN BLACK	#6 AWG cu
LV2	CABLE	600V THHN RED	#6 AWG cu
LV3	CABLE	600V THHN BLUE	#6 AWG cu
LV4	CABLE	600V THHN BLACK	#10 AWG cu
LV5	CABLE	600V THHN RED	#10 AWG cu
LV6	CABLE	600V THHN BLUE	#10 AWG cu
LV7	CABLE	600V THHN BLACK	#10 AWG cu
LV8	CABLE	600V THHN RED	#10 AWG cu
LV9	CABLE	600V THHN BLUE	#10 AWG cu
LV10	CABLE	600V THHN BLACK	#10 AWG cu
LV11	CABLE	600V THHN RED	#10 AWG cu
LV12	CABLE	600V THHN BLUE	#10 AWG cu
LV13	CABLE	600V THHN BLACK	#10 AWG cu
LV14	CABLE	600V THHN RED	#10 AWG cu
LV15	CABLE	600V THHN BLUE	#10 AWG cu
LV16	CABLE	600V THHN BLACK	#10 AWG cu
LV17	CABLE	600V THHN RED	#10 AWG cu
LV18	CABLE	600V THHN BLUE	#10 AWG cu
LV19	CABLE	600V THHN BLACK	#10 AWG cu
LV20	CABLE	600V THHN RED	#10 AWG cu
LV21	CABLE	600V THHN BLUE	#10 AWG cu
LV22	CABLE	600V THHN BLACK	#10 AWG cu
LV23	CABLE	600V THHN RED	#10 AWG cu
LV24	CABLE	600V THHN BLUE	#10 AWG cu
LV25	CABLE	600V THHN BLACK	#10 AWG cu
LV26	CABLE	600V THHN RED	#10 AWG cu
LV27	CABLE	600V THHN BLUE	#10 AWG cu
LV28	CABLE	600V THHN BLACK	#8 AWG cu
LV29	CABLE	600V THHN RED	#8 AWG cu
LV30	CABLE	600V THHN BLUE	#8 AWG cu
LV31	CABLE	600V THHN BLACK	#8 AWG cu
LV32	CABLE	600V THHN RED	#10 AWG cu
LV33	CABLE	600V THHN BLUE	#10 AWG cu
LV34	CABLE	600V THHN BLACK	#10 AWG cu
LV35	CABLE	600V THHN RED	#10 AWG cu
LV36	CABLE	600V THHN BLUE	#10 AWG cu
LV37	CABLE	600V THHN BLACK	#10 AWG cu
LV38	CABLE	600V THHN RED	#10 AWG cu
LV39	CABLE	600V THHN BLUE	#10 AWG cu
LV40	CABLE	600V THHN BLACK	#12 AWG cu
LV41	CABLE	600V THHN RED	#12 AWG cu
LV42	CABLE	600V THHN BLUE	#12 AWG cu
LV43	CABLE	600V THHN BLACK	#12 AWG cu
LV44	CABLE	600V THHN RED	#12 AWG cu
LV45	CABLE	600V THHN BLUE	#12 AWG cu
LV46	CABLE	600V THHN BLACK	#12 AWG cu
LV47	CABLE	600V THHN RED	#12 AWG cu
LV48	CABLE	600V THHN BLUE	#12 AWG cu
LV49	CABLE	600V THHN BLACK	#12 AWG cu
LV50	CABLE	600V THHN RED	#12 AWG cu
LV51	CABLE	600V THHN BLUE	#12 AWG cu
LV52	CABLE	600V THHN BLACK	#12 AWG cu
LV53	CABLE	600V THHN RED	#12 AWG cu
LV54	CABLE	600V THHN BLUE	#12 AWG cu
LV55	CABLE	600V THHN BLACK	#12 AWG cu
LV56	CABLE	600V THHN RED	#12 AWG cu
LV57	CABLE	600V THHN BLUE	#12 AWG cu
LV58	CABLE	600V THHN BLACK	#12 AWG cu
LV59	CABLE	600V THHN RED	#12 AWG cu
LVG1-3	CABLE	600V THHN GREEN	#10 AWG cu
LVG4-6	CABLE	600V THHN GREEN	#10 AWG cu
LVG7-9	CABLE	600V THHN GREEN	#10 AWG cu
LVG10-12	CABLE	600V THHN GREEN	#10 AWG cu
LVG13-15	CABLE	600V THHN GREEN	#10 AWG cu
LVG16-18	CABLE	600V THHN GREEN	#10 AWG cu
LVG19-21	CABLE	600V THHN GREEN	#10 AWG cu
LVG22-24	CABLE	600V THHN GREEN	#10 AWG cu
LVG25-27	CABLE	600V THHN GREEN	#10 AWG cu
LVG28-29	CABLE	600V THHN GREEN	#10 AWG cu
LVG30-31	CABLE	600V THHN GREEN	#10 AWG cu
LVG32-33	CABLE	600V THHN GREEN	#10 AWG cu
LVG34-35	CABLE	600V THHN GREEN	#10 AWG cu
LVG36-37	CABLE	600V THHN GREEN	#10 AWG cu
LVG38-39	CABLE	600V THHN GREEN	#10 AWG cu
LVG40-41	CABLE	600V THHN GREEN	#12 AWG cu
LVG42-43	CABLE	600V THHN GREEN	#12 AWG cu
LVG44-45	CABLE	600V THHN GREEN	#12 AWG cu
LVG46-47	CABLE	600V THHN GREEN	#12 AWG cu
LVG48	CABLE	600V THHN GREEN	#12 AWG cu
LVG49	CABLE	600V THHN GREEN	#12 AWG cu
LVG50	CABLE	600V THHN GREEN	#12 AWG cu
LVG51	CABLE	600V THHN GREEN	#12 AWG cu
LVG52	CABLE	600V THHN GREEN	#12 AWG cu
LVG53	CABLE	600V THHN GREEN	#12 AWG cu
LVG54	CABLE	600V THHN GREEN	#12 AWG cu
LVG55	CABLE	600V THHN GREEN	#12 AWG cu
LVG56	CABLE	600V THHN GREEN	#12 AWG cu
LVG57	CABLE	600V THHN GREEN	#12 AWG cu
LVG58	CABLE	600V THHN GREEN	#12 AWG cu
LVG59	CABLE	600V THHN GREEN	#12 AWG cu
LVN1-3	CABLE	600V THHN WHITE	#6 AWG cu
LVN4-6	CABLE	600V THHN WHITE	#10 AWG cu
LVN7-9	CABLE	600V THHN WHITE	#10 AWG cu
LVN10-12	CABLE	600V THHN WHITE	#10 AWG cu
LVN13-15	CABLE	600V THHN WHITE	#10 AWG cu
LVN16-18	CABLE	600V THHN WHITE	#10 AWG cu
LVN19-21	CABLE	600V THHN WHITE	#10 AWG cu
LVN22-24	CABLE	600V THHN WHITE	#10 AWG cu
LVN25-27	CABLE	600V THHN WHITE	#10 AWG cu
LVN28-29	CABLE	600V THHN WHITE	#8 AWG cu
LVN30-31	CABLE	600V THHN WHITE	#8 AWG cu
LVN48	CABLE	600V THHN WHITE	#12 AWG cu
LVN49	CABLE	600V THHN WHITE	#12 AWG cu
LVN50	CABLE	600V THHN WHITE	#12 AWG cu
LVN51	CABLE	600V THHN WHITE	#12 AWG cu
LVN52	CABLE	600V THHN WHITE	#12 AWG cu
LVN53	CABLE	600V THHN WHITE	#12 AWG cu
LVN54	CABLE	600V THHN WHITE	#12 AWG cu
LVN55	CABLE	600V THHN WHITE	#12 AWG cu
LVN56	CABLE	600V THHN WHITE	#12 AWG cu
LVN57	CABLE	600V THHN WHITE	#12 AWG cu
LVN58	CABLE	600V THHN WHITE	#12 AWG cu
LVN59	CABLE	600V THHN WHITE	#12 AWG cu

Title	MPD-CW2-82.200A-YE75YT-TVS-CLR6E3928L443798C4N9-M1	
Author	David Downs	
File	√ 200A 3PH 75KVA 208Y-120V 208.2A 3PH MLO	Document
Revision	1.0	Date 09/01/2023
		Sheets 1 of 1



WIRE LEGEND

ID	TYPE	DESCRIPTION	WIRE SIZE
H1	CABLE	600V THHN BROWN	#3/0 KCMIL cu
H2	CABLE	600V THHN ORANGE	#3/0 KCMIL cu
H3	CABLE	600V THHN YELLOW	#3/0 KCMIL cu
H0	CABLE	600V THHN GRAY	#3/0 KCMIL cu
HG	CABLE	600V THHN GREEN	#6 AWG cu
HV1	CABLE	600V THHN BROWN	#2 AWG cu
HV2	CABLE	600V THHN ORANGE	#2 AWG cu
HV3	CABLE	600V THHN YELLOW	#2 AWG cu
HV4	CABLE	600V THHN BROWN	#2 AWG cu
HV5	CABLE	600V THHN ORANGE	#2 AWG cu
HV6	CABLE	600V THHN YELLOW	#2 AWG cu
HV7	CABLE	600V THHN BROWN	#10 AWG cu
HV8	CABLE	600V THHN ORANGE	#10 AWG cu
HV9	CABLE	600V THHN YELLOW	#10 AWG cu

Continued

ID	TYPE	DESCRIPTION	WIRE SIZE
HV10	CABLE	600V THHN BROWN	#10 AWG cu
HV11	CABLE	600V THHN ORANGE	#10 AWG cu
HV12	CABLE	600V THHN YELLOW	#10 AWG cu
HV13	CABLE	600V THHN BROWN	#10 AWG cu
HV14	CABLE	600V THHN ORANGE	#10 AWG cu
HV15	CABLE	600V THHN YELLOW	#10 AWG cu
HV16	CABLE	600V THHN BROWN	#10 AWG cu
HV17	CABLE	600V THHN ORANGE	#10 AWG cu
HV18	CABLE	600V THHN YELLOW	#10 AWG cu
HV19	CABLE	600V THHN BROWN	#10 AWG cu
HV20	CABLE	600V THHN ORANGE	#10 AWG cu
HV21	CABLE	600V THHN YELLOW	#10 AWG cu

Continued

ID	TYPE	DESCRIPTION	WIRE SIZE
HV22	CABLE	600V THHN BROWN	#10 AWG cu
HV23	CABLE	600V THHN ORANGE	#10 AWG cu
HV24	CABLE	600V THHN YELLOW	#10 AWG cu
HV25	CABLE	600V THHN BROWN	#10 AWG cu
HV26	CABLE	600V THHN ORANGE	#10 AWG cu
HV27	CABLE	600V THHN YELLOW	#10 AWG cu
HV28	CABLE	600V THHN BROWN	#10 AWG cu
HV29	CABLE	600V THHN ORANGE	#10 AWG cu
HV30	CABLE	600V THHN YELLOW	#10 AWG cu
HVG1-3	CABLE	600V THHN GREEN	#8 AWG cu
HVG4-6	CABLE	600V THHN GREEN	#8 AWG cu
HVG7-9	CABLE	600V THHN GREEN	#10 AWG cu

Continued

ID	TYPE	DESCRIPTION	WIRE SIZE
HVG10-12	CABLE	600V THHN GREEN	#10 AWG cu
HVG13-15	CABLE	600V THHN GREEN	#10 AWG cu
HVG16-18	CABLE	600V THHN GREEN	#10 AWG cu
HVG19-21	CABLE	600V THHN GREEN	#10 AWG cu
HVG22-24	CABLE	600V THHN GREEN	#10 AWG cu
HVG25-27	CABLE	600V THHN GREEN	#10 AWG cu
HVG28-30	CABLE	600V THHN GREEN	#10 AWG cu
HVN4-6	CABLE	600V THHN GRAY	#2 AWG cu

USER NOTES:
IEC 60076 permits +/- 10% tolerance in pentage impedance at the manufacturer's end.

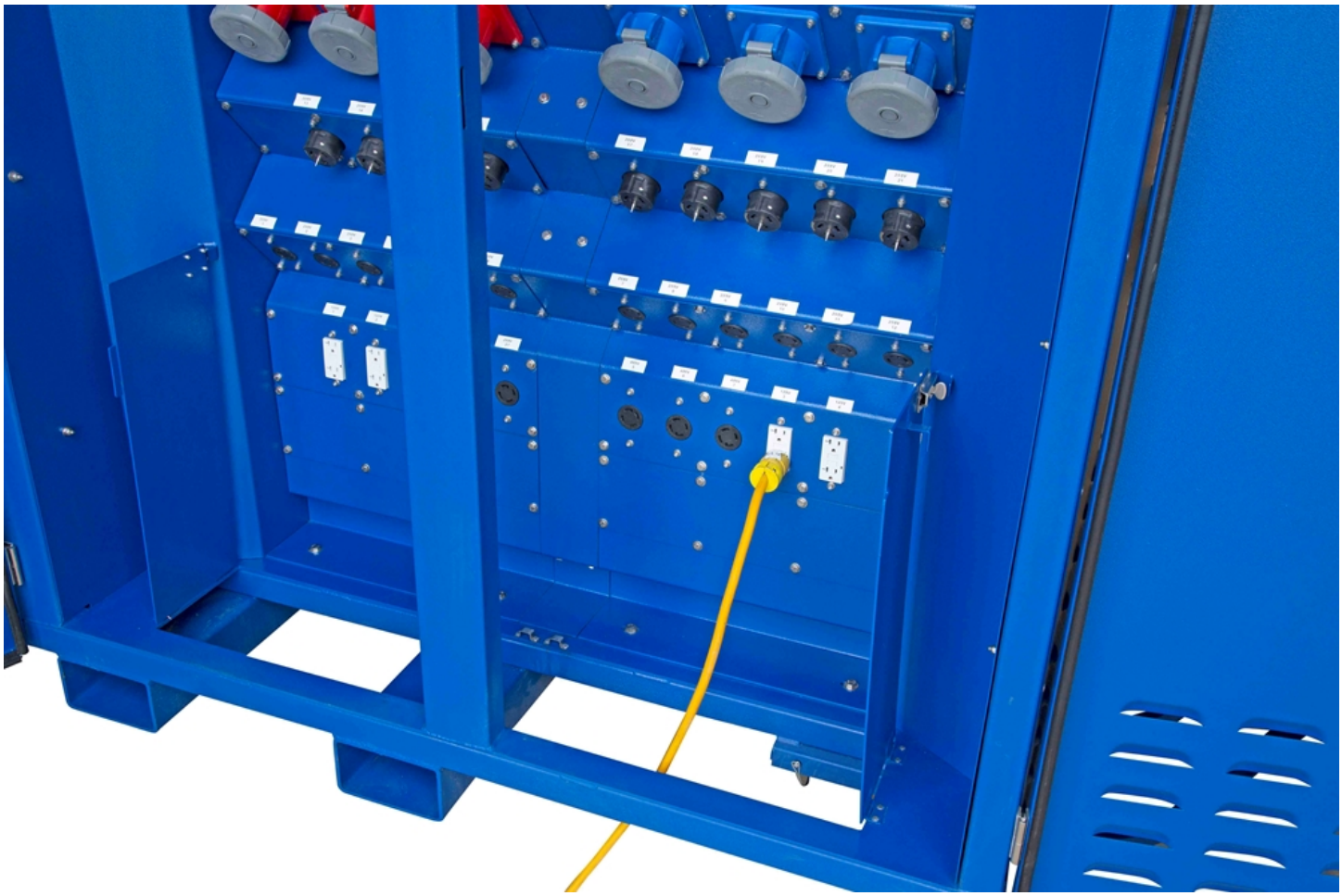
WIRE LEGEND

ID	TYPE	DESCRIPTION	WIRE SIZE
X1	CABLE	600V THHN BLACK	#4/0 AWG cu
X2	CABLE	600V THHN RED	#4/0 AWG cu
X3	CABLE	600V THHN BLUE	#4/0 AWG cu
X0	CABLE	600V THHN WHITE	#4/0 AWG cu
XG	CABLE	600V THHN GREEN	#4 AWG cu
LV1	CABLE	600V THHN BLACK	#6 AWG cu
LV2	CABLE	600V THHN RED	#6 AWG cu
LV3	CABLE	600V THHN BLUE	#6 AWG cu
LV4	CABLE	600V THHN BLACK	#10 AWG cu
LV5	CABLE	600V THHN RED	#10 AWG cu
LV6	CABLE	600V THHN BLUE	#10 AWG cu
LV7	CABLE	600V THHN BLACK	#10 AWG cu
LV8	CABLE	600V THHN RED	#10 AWG cu
LV9	CABLE	600V THHN BLUE	#10 AWG cu
LV10	CABLE	600V THHN BLACK	#10 AWG cu
LV11	CABLE	600V THHN RED	#10 AWG cu
LV12	CABLE	600V THHN BLUE	#10 AWG cu
LV13	CABLE	600V THHN BLACK	#10 AWG cu
LV14	CABLE	600V THHN RED	#10 AWG cu
LV15	CABLE	600V THHN BLUE	#10 AWG cu
LV16	CABLE	600V THHN BLACK	#10 AWG cu
LV17	CABLE	600V THHN RED	#10 AWG cu
LV18	CABLE	600V THHN BLUE	#10 AWG cu
LV19	CABLE	600V THHN BLACK	#10 AWG cu
LV20	CABLE	600V THHN RED	#10 AWG cu
LV21	CABLE	600V THHN BLUE	#10 AWG cu
LV22	CABLE	600V THHN BLACK	#10 AWG cu
LV23	CABLE	600V THHN RED	#10 AWG cu
LV24	CABLE	600V THHN BLUE	#10 AWG cu
LV25	CABLE	600V THHN BLACK	#10 AWG cu
LV26	CABLE	600V THHN RED	#10 AWG cu
LV27	CABLE	600V THHN BLUE	#10 AWG cu
LV28	CABLE	600V THHN BLACK	#8 AWG cu
LV29	CABLE	600V THHN RED	#8 AWG cu
LV30	CABLE	600V THHN BLUE	#8 AWG cu
LV31	CABLE	600V THHN BLACK	#8 AWG cu
LV32	CABLE	600V THHN RED	#10 AWG cu
LV33	CABLE	600V THHN BLUE	#10 AWG cu
LV34	CABLE	600V THHN BLACK	#10 AWG cu
LV35	CABLE	600V THHN RED	#10 AWG cu
LV36	CABLE	600V THHN BLUE	#10 AWG cu
LV37	CABLE	600V THHN BLACK	#10 AWG cu
LV38	CABLE	600V THHN RED	#10 AWG cu
LV39	CABLE	600V THHN BLUE	#10 AWG cu
LV40	CABLE	600V THHN BLACK	#12 AWG cu
LV41	CABLE	600V THHN RED	#12 AWG cu
LV42	CABLE	600V THHN BLUE	#12 AWG cu
LV43	CABLE	600V THHN BLACK	#12 AWG cu
LV44	CABLE	600V THHN RED	#12 AWG cu
LV45	CABLE	600V THHN BLUE	#12 AWG cu
LV46	CABLE	600V THHN BLACK	#12 AWG cu
LV47	CABLE	600V THHN RED	#12 AWG cu
LV48	CABLE	600V THHN BLUE	#12 AWG cu
LV49	CABLE	600V THHN BLACK	#12 AWG cu
LV50	CABLE	600V THHN RED	#12 AWG cu
LV51	CABLE	600V THHN BLUE	#12 AWG cu
LV52	CABLE	600V THHN BLACK	#12 AWG cu
LV53	CABLE	600V THHN RED	#12 AWG cu
LV54	CABLE	600V THHN BLUE	#12 AWG cu
LV55	CABLE	600V THHN BLACK	#12 AWG cu
LV56	CABLE	600V THHN RED	#12 AWG cu
LV57	CABLE	600V THHN BLUE	#12 AWG cu
LV58	CABLE	600V THHN BLACK	#12 AWG cu
LV59	CABLE	600V THHN RED	#12 AWG cu
LVG1-3	CABLE	600V THHN GREEN	#10 AWG cu
LVG4-6	CABLE	600V THHN GREEN	#10 AWG cu
LVG7-9	CABLE	600V THHN GREEN	#10 AWG cu
LVG10-12	CABLE	600V THHN GREEN	#10 AWG cu
LVG13-15	CABLE	600V THHN GREEN	#10 AWG cu
LVG16-18	CABLE	600V THHN GREEN	#10 AWG cu
LVG19-21	CABLE	600V THHN GREEN	#10 AWG cu
LVG22-24	CABLE	600V THHN GREEN	#10 AWG cu
LVG25-27	CABLE	600V THHN GREEN	#10 AWG cu
LVG28-29	CABLE	600V THHN GREEN	#10 AWG cu
LVG30-31	CABLE	600V THHN GREEN	#10 AWG cu
LVG32-33	CABLE	600V THHN GREEN	#10 AWG cu
LVG34-35	CABLE	600V THHN GREEN	#10 AWG cu
LVG36-37	CABLE	600V THHN GREEN	#10 AWG cu
LVG38-39	CABLE	600V THHN GREEN	#10 AWG cu
LVG40-41	CABLE	600V THHN GREEN	#12 AWG cu
LVG42-43	CABLE	600V THHN GREEN	#12 AWG cu
LVG44-45	CABLE	600V THHN GREEN	#12 AWG cu
LVG46-47	CABLE	600V THHN GREEN	#12 AWG cu
LVG48	CABLE	600V THHN GREEN	#12 AWG cu
LVG49	CABLE	600V THHN GREEN	#12 AWG cu
LVG50	CABLE	600V THHN GREEN	#12 AWG cu
LVG51	CABLE	600V THHN GREEN	#12 AWG cu
LVG52	CABLE	600V THHN GREEN	#12 AWG cu
LVG53	CABLE	600V THHN GREEN	#12 AWG cu
LVG54	CABLE	600V THHN GREEN	#12 AWG cu
LVG55	CABLE	600V THHN GREEN	#12 AWG cu
LVG56	CABLE	600V THHN GREEN	#12 AWG cu
LVG57	CABLE	600V THHN GREEN	#12 AWG cu
LVG58	CABLE	600V THHN GREEN	#12 AWG cu
LVG59	CABLE	600V THHN GREEN	#12 AWG cu
LVN1-3	CABLE	600V THHN WHITE	#6 AWG cu
LVN4-6	CABLE	600V THHN WHITE	#10 AWG cu
LVN7-9	CABLE	600V THHN WHITE	#10 AWG cu
LVN10-12	CABLE	600V THHN WHITE	#10 AWG cu
LVN13-15	CABLE	600V THHN WHITE	#10 AWG cu
LVN16-18	CABLE	600V THHN WHITE	#10 AWG cu
LVN19-21	CABLE	600V THHN WHITE	#10 AWG cu
LVN22-24	CABLE	600V THHN WHITE	#10 AWG cu
LVN25-27	CABLE	600V THHN WHITE	#10 AWG cu
LVN28-29	CABLE	600V THHN WHITE	#8 AWG cu
LVN30-31	CABLE	600V THHN WHITE	#8 AWG cu
LVN48	CABLE	600V THHN WHITE	#12 AWG cu
LVN49	CABLE	600V THHN WHITE	#12 AWG cu
LVN50	CABLE	600V THHN WHITE	#12 AWG cu
LVN51	CABLE	600V THHN WHITE	#12 AWG cu
LVN52	CABLE	600V THHN WHITE	#12 AWG cu
LVN53	CABLE	600V THHN WHITE	#12 AWG cu
LVN54	CABLE	600V THHN WHITE	#12 AWG cu
LVN55	CABLE	600V THHN WHITE	#12 AWG cu
LVN56	CABLE	600V THHN WHITE	#12 AWG cu
LVN57	CABLE	600V THHN WHITE	#12 AWG cu
LVN58	CABLE	600V THHN WHITE	#12 AWG cu
LVN59	CABLE	600V THHN WHITE	#12 AWG cu

Title	MPD-CW2-82.200A-YE75YT-TVS-CLR6E3928L443798C4N9-M1	
Author	David Downs	
File	√ 200A 3PH 75KVA 208Y-120V 208.2A 3PH MLO	Document
Revision	1.0	Date 09/01/2023
		Sheets 1 of 1








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GROUND PER
NEC 250

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

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Certification

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

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

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

The MGL, MPD, MGS, WAL Series from Larson Electronics LLC utilize components certified to NEC and CEC standards. Larson Electronics LLC specifies wiring device standard designations (e.g. NEMA 5-20R, NEMA L6-30R, CS8265C) in the electrical diagrams and spec sheet of each product. Unless specified, the brands of components used, which may vary based on availability at the time of build, include but are not limited to: Hubbell, Leviton, Molex, Daniel Woodhead, Legrand, Eaton, Thomas & Betts, Russel Stroll, Meltric, Mennekes, ABB Group, Emerson, Appleton, Crouse Hinds, Killark, R.Stahl, or other certified equipment manufacturers.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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TECHNICAL INFORMATION

POWDURA® POLYESTER TGIC
POWDER COATING

PRODUCT DESCRIPTION

PLR2-60002
RAL 5010 GENT BLUE

POWDURA® Polyester TGIC Powder Coatings are recommended for a broad range of interior/exterior functional and decorative applications.

Advantages:

- Provides excellent overbake resistance
- Good chemical resistance
- Very good outdoor exposure qualities
- Wide range of special effects available
- Available in a broad range of colors

Many applications, including:
Steel Furniture
Refrigeration
Electronic Cabinetry
Scaffolding
Electrical Equipment
Instrument Housings

Appliances
Sporting Goods

Storage: Powdura® Powder Coatings should be kept in a dry and cool area at temperatures below 80°F (27°C). When not in use, store powder in sealed containers: fine powders are hygroscopic.

Substrate Preparation: Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface preparation treatments to ensure optimum adhesion and coating performance properties. The use of a chemical conversion coating prior to the application of a powder coating is strongly recommended.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full-scale application.

CAUTIONS

Thoroughly review product SDS prior to using this product. Please consult your local sales representative or your local Sherwin-Williams facility for additional information.

Special Advisory: River texture type finishes are unique finishes that may vary with application, film thickness and cure conditions. Light colors and very dark colors may occasionally show colored specks that appear as contamination. This is the nature of this type of finish and cannot be predicted or controlled. Thorough cleaning is required when switching to a normal smooth powder coating to prevent craters in the smooth finish.

APPLICATION

Cure Schedule:	10 MIN @ 400F
Film Thickness Range(mils):	3.0-5.0

ATTRIBUTES

Specific Gravity(g/ml):	1.72
Coverage at 1.0 Mil(ft^2/lb):	112.4
60° Gloss: (ASTM D-523)	15-30
Adhesion: (ASTM D-3359)	5B
Flexibility: (ASTM D-522)	Pass 1/8"
Pencil Hardness: (ASTM D-3363)	H-2H
Impact Resistance(in.lb): (ASTM D-2794)	Dir 100 in-lbs Rev 100 in-lbs

Note: Performance measured using 24-gauge Bonderite® 1000 test panels.

Shelf Life:	12 Months

Sherwin-Williams recommends that all material be used in FIFO order (first in - first out). Materials that exceed the recommended shelf life should be tested prior to use.

Note:
Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating and opinions stated above pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application, which are not known, or under our control, The Sherwin-Williams Company cannot make any warranties or guaranties as to the end results.

08 00

Grove City Product Mod

24-Mar-2020

Material Safety Data Sheet

To Whom It May Concern,

Larson Electronics LLC MGL, MPD, MGS, WAL Series industrial line of portable power distribution systems are considered "ARTICLES" under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS).

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

i. Which is formed to a specific shape or design during manufacture;
ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
iii. Which under normal conditions does not release more than very small quantities.

Regards,

Ray Smith
Larson Electronics, LLC.

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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.

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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.

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Contact Us

ETL listed products that are in doubt or for products that do not appear in the directory, please request a verification of certification.
Americas+1-888-347-5478 (or +1-847-660-7407)
Email
etldirectory@intertek.com

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Intertek Unveils New Design for Product Safety and Quality Certification Marks. Learn more...

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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

The MGL, MPD, MGS, WAL series complies with the below standards set forth by the listed Association's requirements. Purchased and manufactured components are evaluated to Larson Electronics LLC Quality Control Management system per ISO 9001:2015. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Evaluated Standards:

AISC: Structural steel skid design
NFPA 70: National Electrical Code
ASTM A36: Standard Specification for Carbon Structural Steel
ASTM A123: Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
ASTM A153: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM A489: Standard Specification for Carbon Steel Lifting Eyes
ASTM A502: Standard Specification for Rivets, Steel, Structural
ASTM A563: Standard Specification for Carbon and Alloy Steel Nuts
ASTM A500: Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
ASTM B172: Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors
ASTM D7803: Standard Practice for Preparation of Zinc (Hot-Dip Galvanized) Coated Iron and Steel Product and Hardware Surfaces for Powder Coating
SAE J429: Mechanical and Material Requirements for Externally Threaded Fasteners
AWS D1.1: Structural Welding – Steel
ICEA S-58-679: Standard for Control, Instrumentation and Thermocouple Extension Conductor Identification
ICEA S-75-381: Portable and Power Feeder Cables for Use in Mines and Similar Applications
NEMA OFP 1-2017: Protection of Receptacle Outlets in Wet Locations According to the National Electrical Code

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NEMA PB 1-2011: Panelboards
NEMA ST 20-2014: Dry Type Transformers for General Applications
NEMA WD 1-1999 (R2015): General Color Requirements for Wiring Devices
ANSI C80.1-2015: American National Standard for Electric Rigid Steel Conduit
ANSI C119.4-2016: American National Standard for Electric Connectors
ANSI Z535.4-2011: American National Standard for Product Safety Signs and Labels
ANSI/IEC 60529-2004 (R2011): American National Standard for Degrees of Protection Provided by Enclosures (IP Code)

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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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:

CE: DIRECTIVE 2014/35/EU - LOW VOLTAGE DIRECTIVE
CE: DIRECTIVE 2014/30/EU - EMC DIRECTIVE
CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

The MGL, MPD, MGS, WAL series complies with the essential protection requirements of the European Parliament of the Council Directive for Low Voltage Directive, EMC Directive, REACH Regulation, and RoHS Directive. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Certification

Manufacturer: Larson Electronics LLC
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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:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

This is to certify that products offered by Larson Electronics LLC comply with the Reduction of Hazardous Substances (RoHS) directives. Directive 2002/95/EC became effective on 1 July 2006. It restricts the use of six substances in the manufacture of electrical and electronic equipment. This directive was revised in June 2011 and is now referred to as directive 2011/65/EU. Directive 2015/863/EU amending Annex II to Directive 2011/65/EU announced plans to add four substances from 22 July 2019.

We hereby certify that the equipment specified above conforms to the Directive(s) by containing less of the restricted substances than the stated limits.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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

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

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

This letter establishes the opinion of Larson Electronics LLC regarding the status, under the current European Union (“EU”) Regulations on Registration, Evaluation, Authorization, and Restriction of Chemical Substances (“REACH”).

REACH does not apply to manufactured products which are referred to as “completed articles”. Substances (chemicals) are subject to REACH registration, NOT products.

In addition, Articles are exempt from the REACH requirements if (a) the Article does not contain a substance of very high concern or candidate substance in an amount exceeding 0.1% weight by weight, and (b) if substances present in the Article in excess of 1 ton per year per importer are not expected nor intended to be released.

Based on communication with our raw material suppliers, we conclude that to the best of our knowledge our products requiring REACH compliance do not contain any of the currently listed SVHC in concentrations of 0.1% or above.

Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Frequently Asked Questions (FAQ)