

EPS-PB10-MS-480V-3P

Explosion Proof 10 Amp Push Button Momentary Switch - Class 1 & 2 - Division 1 & 2 - 3 Phase 480V

Product ID: 150661



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.

The Larson Electronics EPS-PB10-MS-480V-3P Explosion Proof Momentary Push Button Switch is Class 1 & 2, Division 1 & 2 rated for Hazardous locations.

The EPS-PB10-MS-480V-3P Explosion Proof Push Button Momentary Switch is factory sealed, eliminating the need for adding sealing fittings and compound at each conduit entrance. This 3-phase unit is built to be heavy duty, and is rated for 10 ampere at 480V. The switch is enclosed in a separate sealing chamber, and the sealing chamber has smooth, double flanges that mate both to the cover and the mounting enclosure to provide flame tight joints. The pigtail leads from the push button are factory sealed in sealing well. Operators connect to the switch via an internal terminal strip. The screws consist of stainless steel captive screws and attach the sealing chamber to cover and mounting enclosure. The button is offered in red, green, and black. This unit is offered in dead end or feed thru configurations, with 1/2" or 3/4" NPT hubs.

The EPS-PB10-MS-480V-3P housing is made out of malleable aluminum body with an aluminum cover, and is epoxy powder coated for a natural finish. This switch is in compliance with UL Standard 698.

Voltage: 480V AC 3 phase

Ratings/Approvals:

Class I, Divisions 1 & 2, Groups C & D

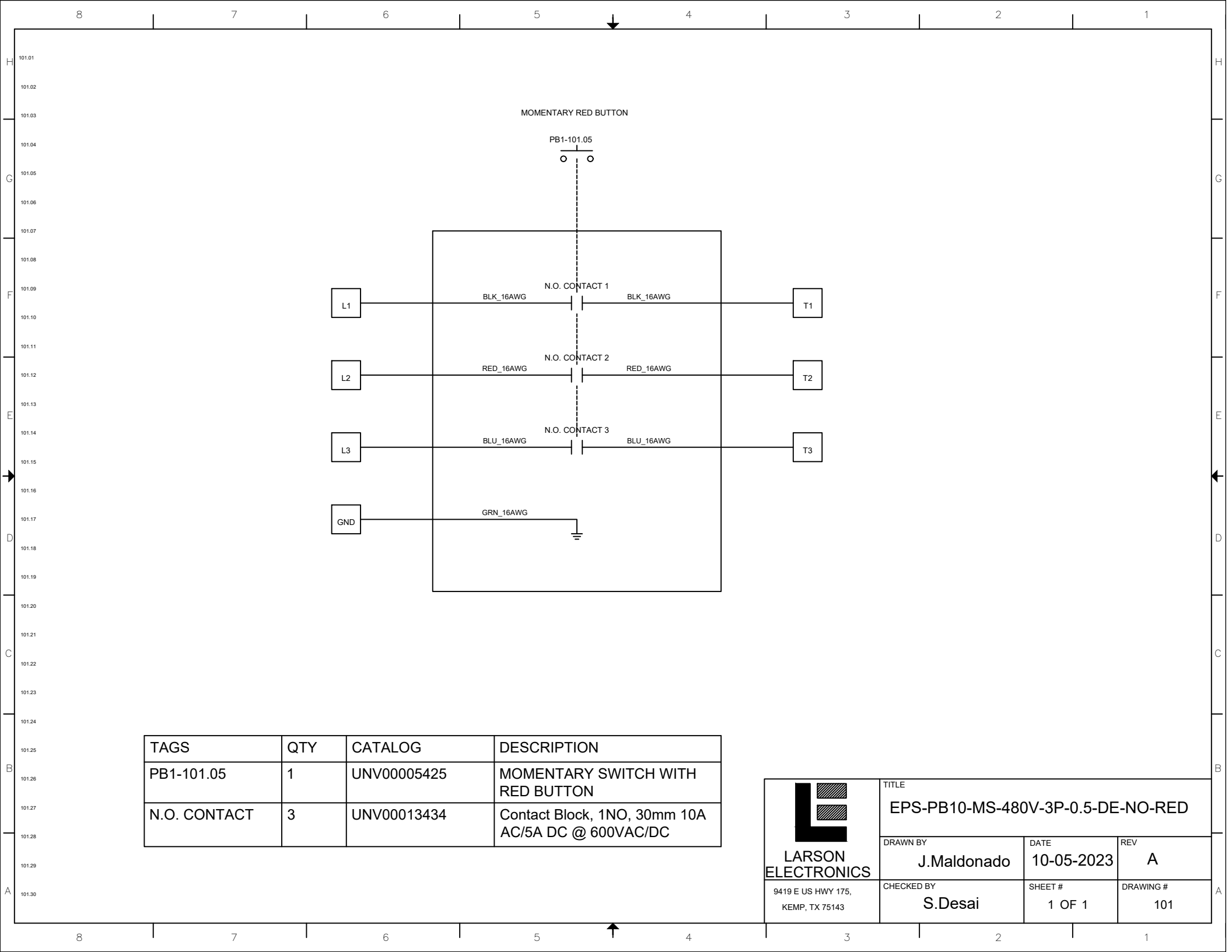
Class I, Zones 1 & 2, Groups IIA

Class II, Divisions 1 & 2, Groups E, F, G Class III

NEMA 7 (Groups C & D)
NEMA 9 (Groups E, F, G)

	8	7	6	5	4	3	2	1
H	REV	DESCRIPTION						DATE
	A	PRODUCTION RELEASE						10-05-2023
G	EPS-PB10-MS-480V-3P-0.5-DE-NO-RED 							
F								
E								
D								
C								
B								
A								





TAGS	QTY	CATALOG	DESCRIPTION
PB1-101.05	1	UNV00005425	MOMENTARY SWITCH WITH RED BUTTON
N.O. CONTACT	3	UNV00013434	Contact Block, 1NO, 30mm 10A AC/5A DC @ 600VAC/DC

 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE EPS-PB10-MS-480V-3P-0.5-DE-NO-RED		
	DRAWN BY J.Maldonado	DATE 10-05-2023	REV A
	CHECKED BY S.Desai	SHEET # 1 OF 1	DRAWING # 101











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: EPS-PB10 Series
Description: Explosion Proof Push Button

Evaluated Listings:

UL: E53360, E12379, E10514 – NEC / United States standards

CSA: LR11712, LR11714, LR11716 – CEC / Canada standards

The EPS-PB10 is certified to NEC, CEC, ATEX, and IEC Ex standards for hazardous locations for:

- NEC: Class I, Divisions 1&2, Groups C, D; Class II, Divisions 1&2, Groups E, F, G
- CEC: Class I, Divisions 1&2, Groups C, D; Class II, Divisions 1&2, Groups E, F, G

The EPS-PB10 is comprised of a Killark SWB, GSC, or BE7 series device enclosure. This device enclosure contains a Killark GO or GZ device operator, custom mounting of the device operator, wire connections, and contact blocks. This assembly is built to NEC and CEC standards for hazardous locations.

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

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Material Safety Data Sheet

To Whom It May Concern,

The Larson Electronics LLC EPS industrial line of explosion proof switches and controls for hazardous locations are considered “ARTICLES” under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS). This document does not expire.

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.

The “hazardous location” and “explosion proof” are terminology for the environment where these products will be installed. This is not to be confused with “hazardous materials;” this product does not contain any hazardous materials.

Regards,

Ray Smith
Larson Electronics, LLC.



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: EPS Series
Description: Explosion Proof Switches

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 EPS 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



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: EPS Series
Description: Explosion Proof Switches

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



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: EPS Series
Description: Explosion Proof Switches

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:

Name: James Thomas
Position: Operations Manager

Frequently Asked Questions (FAQ)