

EPS-PB10-MS

10A Explosion Proof Push Button Switch - Class I, II, III - 600V Rated, Momentary - NEMA

Product ID: 105919



Image: EPS-PB10-MS

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.

EPS-PB10-MS Explosion Proof Push Button

Listing: NRTL Listed for United States, Canada

Dimensions: -

Weight: -

Voltage: 600V AC Rated

Amps: 10A

Push Button Type: Momentary

Contacts: NO or NC

Button Color: Red, Green or Black

Nameplate Marking: -

Ambient Operating Temp Range: -

Materials: Aluminum

Mounting: Surface

Termination: Dead End or Feed Through

Hub Size: 1/2" NPT or 3/4" NPT

Ratings/Features

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

Class I, Zones 1&2, Groups IIB,IIA

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

Class III

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

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

The Larson Electronics EPS-PB10-MS Explosion Proof Momentary Push Button Switch is designed for Class I, II and III rated combustible environments. This 10-amp switch is rated at 600V AC. Manufactured using non-sparking materials, the explosion proof unit is suitable for surface mounting installations.

The EPS-PB10-MS is built to be heavy duty, and is rated for 10 amps at 600V AC. The

momentary button is offered in red, green, and black. Contact options include: normally open or normally closed.

The EPS-PB10-MS housing is made out of malleable aluminum body with an aluminum cover, and is epoxy powder coated for a natural finish. This 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 screws consist of stainless steel captive screws and attach the sealing chamber to cover and mounting enclosure.

Wiring: This explosion proof unit is offered in a dead end or feed through configuration. Hub size options include: 1/2" NPT or 3/4" NPT. Operators connect to the switch via an internal terminal strip.

Mount: The EPS-PB10-MS is compatible with surface mounting applications. There are two openings at the back of the device for installation.

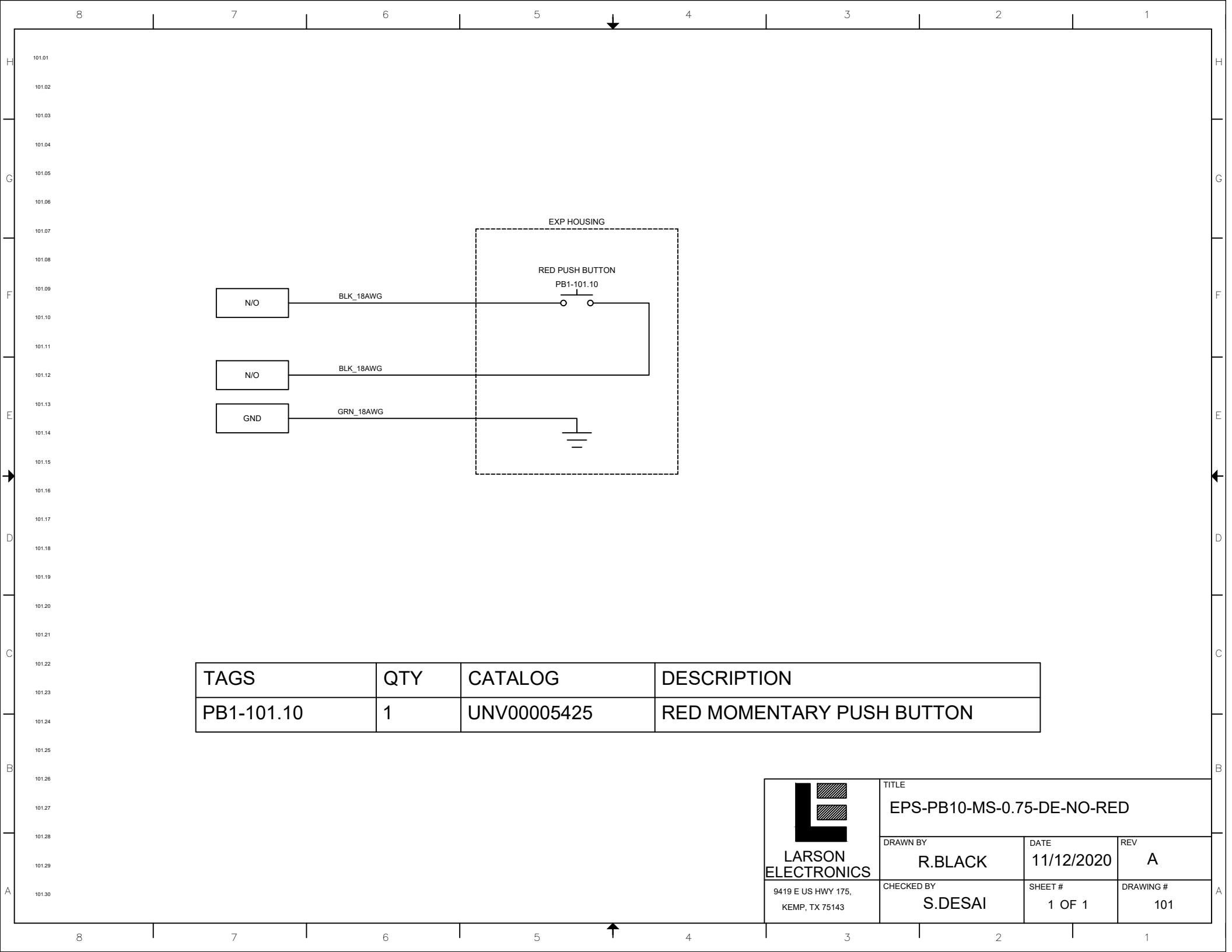
Applications: Manufacturing, industrial, warehouse, lighting, motor-generator sets, compressors, wet areas or locations where combustible dusts, fibers or flying are present or where explosive gases or vapors may be present.

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.

	8	7	6	5	4	3	2	1
	REV	DESCRIPTION						DATE
	A	PRODUCTION RELEASE						11/12/2020
EPS-PB10-MS-0.75-DE-NO-RED 								
	8	7	6	5	4	3	2	1

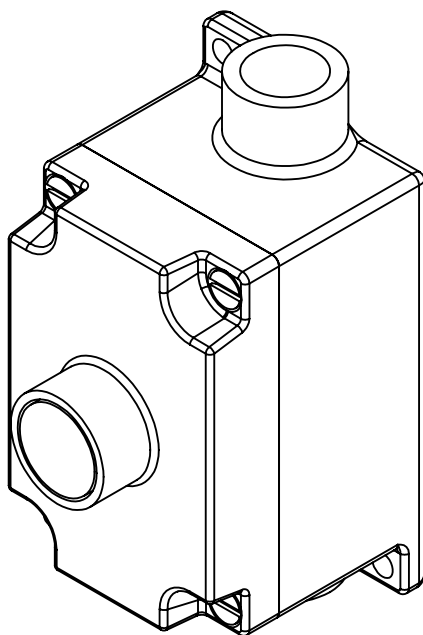
EPS-PB10-MS-0.75-DE-NO-RED





TAGS	QTY	CATALOG	DESCRIPTION
PB1-101.10	1	UNV00005425	RED MOMENTARY PUSH BUTTON

 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE EPS-PB10-MS-0.75-DE-NO-RED		
	DRAWN BY R.BLACK	DATE 11/12/2020	REV A
	CHECKED BY S.DESAI	SHEET # 1 OF 1	DRAWING # 101



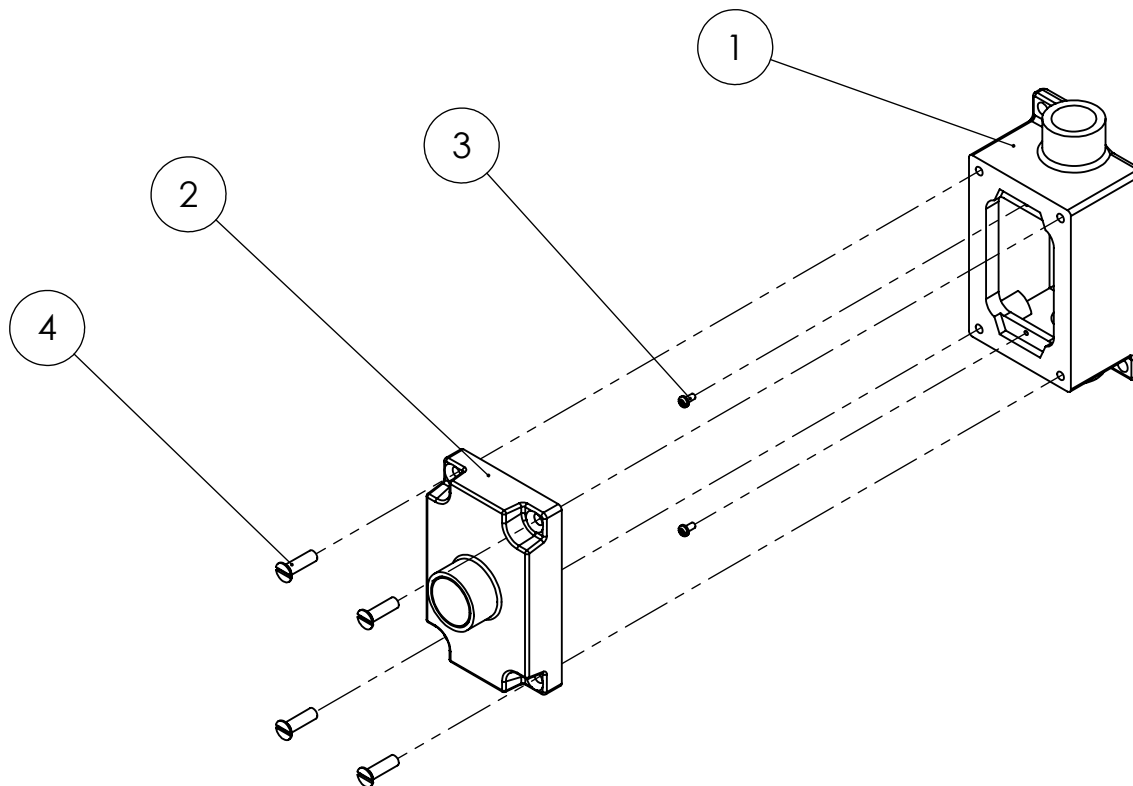
TITLE:			
EPS-PB10-MS			
SIZE	DWG. NO.		REV
A			00
SCALE: NTS		SHEET 1 OF 3	

DIMENSIONS ARE IN INCHES			NAME
Quantity	1	DRAWN	Luis Martinez
MATERIAL		CHECKED	N/A
DO NOT SCALE DRAWING		DATE	02/16/2017

UNLESS OTHERWISE NOTED:
 ANGLE: +/- .5
 .X +/- .02
 .XX +/- .01
 .XXX +/- .005

PROPRIETARY AND CONFIDENTIAL
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 DRAWING IS THE SOLE PROPERTY OF
 LARSON ELECTRONICS LLC. ANY
 REPRODUCTION IN PART OR AS A WHOLE
 WITHOUT THE WRITTEN PERMISSION OF
 LARSON ELECTRONICS LLC IS
 PROHIBITED.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EPS-PB10-MS-BM	Base body to be used with the EPS-PB10-MS-SB	1
2	EPS-PB10-MS-SB	Single Red Push Button Cover	1
3	FS-PHS-5-40-L.025	Pan Head slotted #5-40 screw, .25 length	2
4	FS-PHS-025-20	Pan head slotted 1/4-20 fastener	4



TITLE:

EPS-PB10-MS

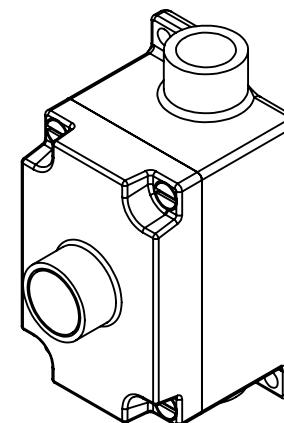
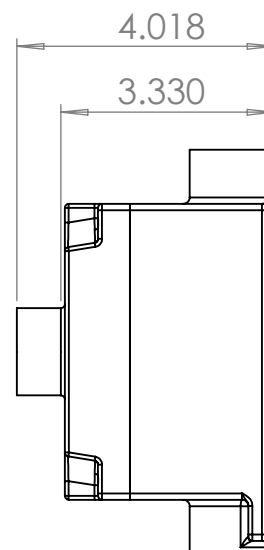
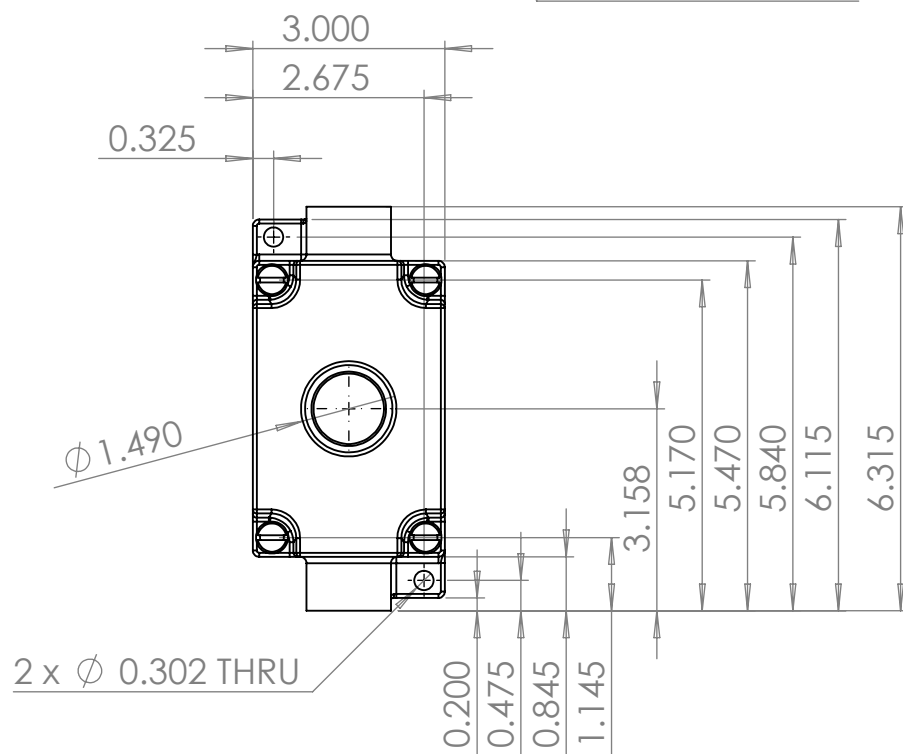
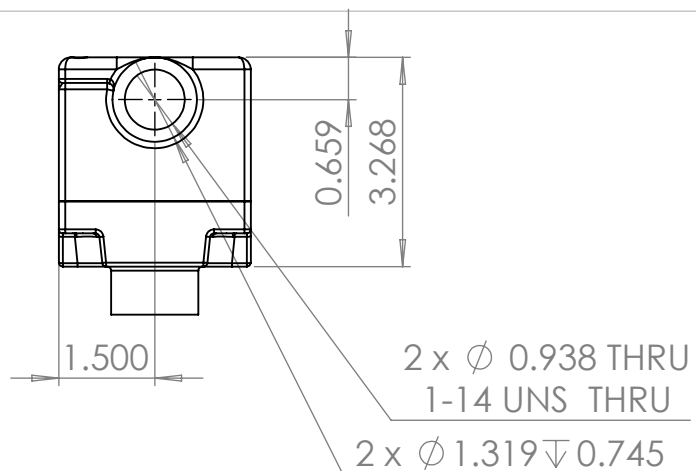
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.X +/- .02
.XX +/- .01
.XXX +/- .005

DIMENSIONS ARE IN INCHES				NAME
Quantity	1		DRAWN	Luis Martinez
MATERIAL			CHECKED	N/A
DO NOT SCALE DRAWING			DATE	02/16/2017

SIZE A	DWG. NO.	REV 00
SCALE: NTS		SHEET 2 OF 3



TITLE:

EPS-PB10-MS

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ANGLE: +/- .5
.X +/- .02
.XX +/- .01
.XXX +/- .005

DIMENSIONS ARE IN INCHES

NAME

Quantity	1	DRAWN	Luis Martinez
MATERIAL		CHECKED	N/A
DO NOT SCALE DRAWING		DATE	02/16/2017

SIZE
A

DWG. NO.

REV
00

SCALE: NTS

SHEET 3 OF 3

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



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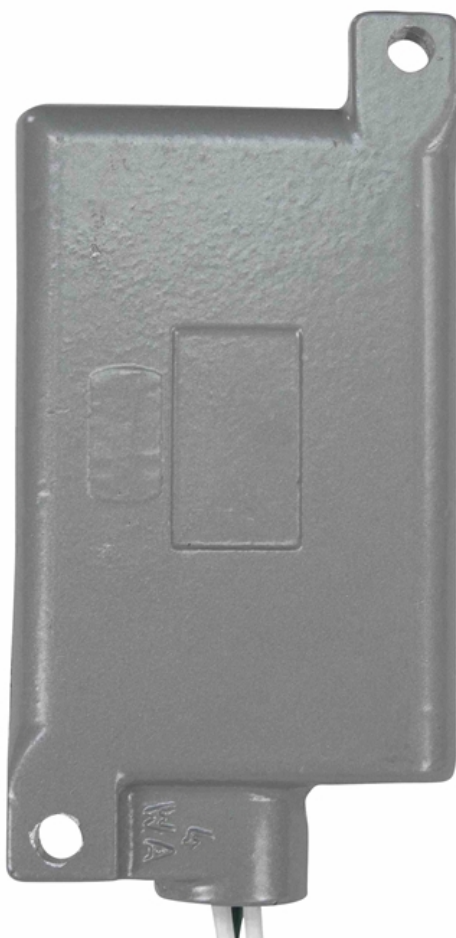
EPS-PB10-MS-0.5-DE-NO-BLK
Voltage: 600V AC Rated
Amps: 10
Hub Size: 1/2"
NRTL Listed for U.S. & Canada
NRTL Certified to UL 1203, UL 508A
Class I, Divs. 1 & 2, Grps. C, D
Class I, Zones 1&2, Groups IIB, IIA
Class II, Divs. 1 & 2, Grps. E, F, G
Class III
NEMA 7 (C,D) and 9 (E,F,G)
Certified ISO 9001: 2015 Quality System



Serial: 5022479
Larson Electronics
5000012



CAUTION: THIS DEVICE IS CERTIFIED ONLY WHEN MOUNTED ON SUBMITTER'S SERIES WHITE BOXES. 814231
DO NOT REMOVE OR COVER THE VENTILATION HOLES OR THE VENTILATION HOLES. DO NOT COVER THE VENTILATION HOLES.
ATTENTION: NE PAS COUVRIR LES VENTILATIONS NI LES VENTILATIONS. NE PAS COUVRIR LES VENTILATIONS.
GARDER LE COUVERCLE BIEN FERMÉ LORSQUE LES CIRCUITS SONT SOUS TENSION.





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)

There are no Faqs