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

EPCS-PBS-MS-B-XXL

Explosion Proof Push Button Switch - Class I, II, III - 10 Amps - Black, Extended - NEMA Rated

Product ID: 238099



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.

EPCS-PBS-MS-B-XXL Extended Push Button
Unit Type: Explosion Proof Push Button
Dimensions: 2" x 6.75" x 2.25"
Weight: 0.66 lb
Voltage Rating: 600 V AC
Amps: 10 A
Contacts: (1) Set
Contact Rating: 60 A Inrush @ 120 V AC; 12 A Inrush @ 600 V AC
Contact Configuration: NO or NC
Materials: Aluminum and Stainless Steel
Mount: Surface/Panel
Nameplate Marking: START or STOP
Color: Black

Ratings/Approvals
Class I, Divisions 1&2 Groups B,C,D
Class I, Zones 1 & 2 Groups IIB, IIA
Class II, Divisions 1 & 2 Groups E, F, G
Class III
NEMA 3, 4, 4X, 7 (B,C,D) 9 (E,F,G)

Special Orders- Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The EPCS-PBS-MS-B-XXL from Larson Electronics is an Explosion Proof Push Button Switch that is suitable for preventing the ignition of external, flammable atmospheres in hazardous locations. This 600V-rated unit features an extended body design for installation in thick panels. The explosion proof device features one set of contacts and comes with a START or STOP nameplate marking.
The EPCS-PBS-MS-B-XXL is rated for Class I, Divisions 1 & 2; Class I, Zones 1 & 2; Class II, Divisions 1 & 2; and Class III facilities. The 10-amp extended switch comes with a maximum rating of 600 V AC. A START or STOP nameplate marking ensures visibility and reduces human error during operation. Equipped with one set of contacts, the unit is offered in normally open (NO) or normally closed (NC)

configurations.
For protection in hazardous locations, the explosion proof device is constructed of aluminum and stainless steel. This green push button is compatible with panel or surface mounting applications.
Applications: Chemical processing facilities, food processing plants, oil refineries, agricultural sites, grain storage facilities, metal processing and more.
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.

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: EPCS-PBS Series
Description: Explosion Proof Push Button Switch

Evaluated Listings:

UL: E12379 - NEC / United States standards
CSA: 80145118 - CEC / Canada standards
ETL: Modifications to enclosure under UL 1203, UL 508A – NEC / United States standards
ETL: Modifications to enclosure under CSA C22.2 No. 14, No. 30, No. 25– CEC / Canadian standards

The EPSW-20A Series 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
- NEC: Class I, Zones 1 & 2, Groups IIB, IIA
- CEC: Class I, Divisions 1&2, Groups C, D; Class II, Divisions 1&2, Groups E, F, G
- CEC: Class I, Zones 1 & 2, Groups IIB, IIA

The EPCS-PBS Series is comprised of a Killark Go21 Series switch. This device may be modified with custom exterior colored button, device label, and mounting accessories, custom mounting of electronics, wire connections. 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

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

intertek
Total Quality. Assured.



<- Back

Product Description

Title:	INDUSTRIAL CONTROL PANELS
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Industrial Control Panels For General Use.
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 Panels (UL-508A) and are identified with the ETL Listed Mark.

<- Back

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

Intertek Home
Product Directories
DLP on mobile devices

Inspector Center

Get up-to-date information on everything from our Accreditations to our Certifications and Marks. Learn more...

News

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

© 2010 Intertek All Rights Reserved.
All other product or service names are the property of their respective owners.

intertek
Total Quality. Assured.



<- Back

Product Description

Title:	EXPLOSION-PROOF & DUST IGNITION-PROOF ELECTRICAL EQUIPMENT FOR USE IN HAZARDOUS (CLASSIFIED) LOCATIONS
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Explosion-proof or dust-ignition-proof Industrial Control Panels for use in Hazardous (Classified) Locations, Model Nos. Custom Industrial Control Panels
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 Explosion-Proof and Dust Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations (UL-1203) and are identified with the ETL Listed Mark.

<- Back

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

Intertek Home
Product Directories
DLP on mobile devices

Inspector Center

Get up-to-date information on everything from our Accreditations to our Certifications and Marks. Learn more...

News

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

© 2010 Intertek All Rights Reserved.
All other product or service names are the property of their respective owners.

intertek
Total Quality. Assured.

<- Back

Product Description

Title:	INDUSTRIAL CONTROL EQUIPMENT
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Industrial Control Panels For General Use. Industrial Control Panels Relating to Hazardous (Classified) Locations, Custom Industrial Control Panels. 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

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

Intertek Home
Product Directories
DLP on mobile devices

Inspector Center

Get up-to-date information on everything from our Accreditations to our Certifications and Marks. Learn more...

News

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

© 2010 Intertek All Rights Reserved.
All other product or service names are the property of their respective owners.

intertek
Total Quality. Assured.

<- Back

Product Description

Title:	ENCLOSURES
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Explosion-proof or dust-ignition-proof Industrial Control Panels for use in Hazardous (Classified) Locations, Model Nos. Custom Industrial Control Panels Luminaires, Model Nos. EPL-48-2L-LED-SFC, EPL-24-2L-LED-SFC. for use in Hazardous Locations: Class I, Div. 1, Groups C and D T5 or T6 -20°C < Tamb < 40°C Class II, Div. 1., Groups E, F, and G; Class III Div.1 T3B -20°C < Tamb < 40°C
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 Enclosures for use in Class II, Groups E, F, G Hazardous Locations (CAN/CSA-C22.2 No. 25) and are identified with the cETL Listed Mark.

<- Back

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

Intertek Home
Product Directories
DLP on mobile devices

Inspector Center

Get up-to-date information on everything from our Accreditations to our Certifications and Marks. Learn more...

News

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

© 2010 Intertek All Rights Reserved.
All other product or service names are the property of their respective owners.

intertek
Total Quality. Assured.



<- Back

Product Description

Title:	EXPLOSION-PROOF ENCLOSURES FOR USE IN CLASS I HAZARDOUS LOCATIONS
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Explosion-proof or dust-ignition-proof Industrial Control Panels for use in Hazardous (Classified) Locations, Model Nos. Custom Industrial Control Panels
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 Explosion-Proof Enclosures for Use in Class I Hazardous Locations (CAN/CSA-C22.2 No. 30) and are identified with the cETL Listed Mark.

<- Back

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

Intertek Home
Product Directories
DLP on mobile devices

Inspector Center

Get up-to-date information on everything from our Accreditations to our Certifications and Marks. Learn more...

News

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

© 2010 Intertek All Rights Reserved.
All other product or service names are the property of their respective owners.

Material Safety Data Sheet

To Whom It May Concern,

The Larson Electronics LLC EPSW 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.

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

CERTIFICATE OF COMPLIANCE

Certificate Number	20161004-E12379
Report Reference	E12379-19870910
Issue Date	2016-OCTOBER-04
Issued to:	KILLARK, DIV OF HUBBELL INC (DELAWARE) 3940 MARTIN LUTHER KING DR ST LOUIS MO 63113
This is to certify that representative samples of	AUXILIARY DEVICES FOR USE IN HAZARDOUS LOCATIONS USL, CNL - Open type auxiliary devices, Series G021 single push button station, Series G022 double push button station, Series G025 maintained contact selector switch, Series G08 key-operated selector switch and Series G028 key-operated selector switch and series GOM21 push/pull mushroom maintained push button for use in Class I, Groups C and D; Class II, Groups E, F and G Hazardous Locations. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1203, Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations CAN/CSA C22.2 No. 25-1966, Enclosures for Use in Class II Groups E, F, and G Hazardous Locations CAN/CSA C22.2 No. 30-M1986, Explosion-Proof Enclosures for Use in Class I Hazardous Locations
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

Certificate of Compliance

Certificate: 80145118 **Master Contract:** 151933

Project: 80145118 **Date Issued:** 2023-01-23

Issued To: **Killark, Div of Hubbell Inc. (Delaware)**
2112 Fenton Logistics Park Blvd
Fenton, Missouri, 63026
United States

Attention: Thomas J. Michalski

The products listed below are eligible to bear the CSA Mark shown

Issued by: Rupesh Kale
Rupesh Kale

PRODUCTS

CLASS 3218 02 - INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Auxiliary Devices - For Hazardous Locations

Class I, Groups B, C and D;
Class II, Groups E, F and G; Class III;
CSA Enclosure 3 and 4 (Applicable for models with suffix N34).

Accessories

(a) Single pushbutton Series GO1-N34 and GOL1, rated 600V max.

(b) Dual pushbutton operators, GO2-N34, GOL2 and GOR11-N34, rated 600V max.

(c) Pilot Light, Series GOB3-N34 and GOL3, rated 120V, 3W max.

© 2018 CSA Group. All rights reserved.

(d) Selector Switches, Series GO5-N34, GOL5, GO6-N34, GOL6, GO7-N34, GOL7, GO14 N34, GOL14, GO15-N34 and GOL15, rated 600V max.

(e) Keyed Selector Switches, Series GO8-N34, GOL8, GO36-N34, GOL36, GO38-N34, GOL38, GO39-N34 and GOL39, rated 600V max.

(f) Potentiometer, Series GO113-N34, GOL113, GO114-N34 and GOL114, rated 4W, 42.4V peak, 30Vrms, 42.4V dc.

(g) Pushbutton pilot light combination, Series GOB4-N34 and GOL4, rated 120V ac, 3W max.

(h) Snap Switches, Series GO10-N34.

(i) Accessory type devices, Series GO-RST, GOL-RST, GO-SP and GOLSP.

Notes:

1.With suffix to denote electrical and mechanical variations.

2.Devices are Certified for use in other Certified equipment where the final combination acceptance is determined by CSA or another NRTL.

3.Installation instructions are shipped with each device.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 14-18	Industrial Control Equipment
CAN/CSA-C22.2 No. 94.2-15	Industrial Control Equipment
CSA Std C22.2 No. 25-17	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CSA Std C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
Electrical Notice 336	CSA Certification of Small Motor Control Devices, Light Switches and Similar Devices for Use in Class I Hazardous Locations, Shipped in Component Form

© 2018 CSA Group. All rights reserved.

Certificate: 80145118
Project: 80145118

Master Contract: 151933
Date Issued: 2023-01-23

Notes:

Products certified under Class C321802 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

© 2018 CSA Group. All rights reserved.

Supplement to Certificate of Compliance

Certificate: 80145118 **Master Contract:** 151933

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80145118	2023-01-23	Update of report # LR 11714-66 for Class I, Division 1 explosionproof and Class II, Division 1 dust ignition proof Control Stations EXB Series and addition of alternate LED lamps IDEC LSRD and LSED-N. To update existing drawing C-16413 (Fig 12) and to include marking drawings. Update to CSA C22.2 NO. 25-17 per certification notice Hazardous Locations Products No. 35. Update to CSA C22.2 No. 94.2-15 per certification notices Enclosures No. 3. Update to CSA C22.2 No. 14-18. per Industrial Control Equipment No. 73.

© 2018 CSA Group. All rights reserved.

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: EPCS-PBS Series
Description: Explosion Proof Push Button Switch

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 EPCS-PBS 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

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

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: EPCS-PBS Series
Description: Explosion Proof Push Button Switch

Evaluated Listings:

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

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

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: EPCS-PBS Series
Description: Explosion Proof Push Button Switch

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

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

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: EPCS-PBS Series
Description: Explosion Proof Push Button Switch

Evaluated Listings:

FCC: Radio Frequency Emission & Authorization Status

The EPCS-PBS Series of Explosion Proof Push Button Switch comply with Federal Communications Commission requirements for Radio Frequency Emission & Authorization Status. This product is not capable of emitting rf energy and does not require FCC authorization. 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

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

Frequently Asked Questions (FAQ)