Larson Electronics LLC
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Phone: 800.369.6671

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CLP-SS-.5-4-FLX-M2M

Hazardous Location Stainless Steel Flex Coupling - C1D1, C2D1 - 4" Flex Length - ATEX/IECEX - IP66

Product ID: 153276



Image: CLP-SS-.5-4-FLX-M2M

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.

CLP-SS-.5-4-FLX-M2M Stainless Steel Flex Coupling
Unit Type: Stainless Steel Flex Coupling
Dimensions: 8.15" -L x 1.1.25" -D
Weight: -
Flexible Length: 4"
Minimum Bend Radius: 10"
Materials: Stainless Steel (316SS, 304SS, 321SS), Silicone-coated Fabric (Internal Liner)
Conduit Size: 1/2"

Features/Ratings
Class I, Divisions 1 & 2 Groups A,B,C,D
Class I, Zone 1 Groups IIB, IIA
Class II, Divisions 1 & 2 Groups E,F,G
Class III
IECEx SIR 10.0057U
SIRA 10ATEX11068U 0539 II 2GD
Ex d IIC Gb, Ex t IIIC Db IP66

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

Made in the USA

The Larson Electronics CLP-SS-.5-4-FLX-M2M Hazardous Location Stainless Steel Flex Coupling is designed for flexible connections and positioning of conduit systems in explosive environments. This accessory measures 8.15" and offers a minimum bend radius of 10". The IP66-rated unit is constructed of stainless steel.

The CLP-SS-.5-4-FLX-M2M offers versatile positioning of connections and components for conduit systems in hazardous locations. Featuring a 10" minimum bend radius, this unit provides a flexible length of 4". The accessory measures 8.15" long with a 1/2" conduit opening. The flexible coupling is constructed of stainless steel (316SS NPT male fittings, 304SS outer braid and 321SS inner flex hose). The internal liner is made out of silicone-coated fabric.

This hazardous location unit is suitable for Class I, Divisions 1 & 2; Class I, Zone 1; Class II, Divisions 1 & 2 and Class III work sites. The IP66-rated accessory also meets ATEX/IECEX guidelines.

Applications: Petroleum refineries, chemical and petrochemical plants, paint spray booths, food manufacturing buildings, automotive repair, flour/grain processing and storage centers, industrial facilities, conduit systems 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.

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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: CLP-SS Series
Description: Explosion Proof Flex Coupler

Evaluated Listings:

UL: E10514 – NEC / United States standards
CSA: 2218736 – CEC / Canada standards
ATEX: Sira 10ATEX1068U – ATEX / European Standards
IEC Ex: IECEx SIR 10.0057U – IEC Ex / International Standards

The CLP-SS is comprised of a EKJ series flexible conduit coupler. This assembly is built to NEC, CEC, ATEX, and IEC Ex 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

Attestation Of Conformity

Manufacturer :	*Killark Electric , Div of Hubbell Inc.(Delaware),* *2112 Fenton Logistics Park Blvd , Fenton, MO 63026, USA* *Tel : (314) 531-0460 | Email: killarkinfo@hubbell.com*

Declares in its sole responsibility that the product mentioned below

Product Designation :	*Flexible Fittings*
Type Designation :	*ECF, EKJ, EKJSS*

is in conformity with the essential protection requirements of the following Directive(s),Certification Scheme(s) and Standard(s).

Directive(s) / Scheme(s)	*Standard(s)*
2014/34/EU ATEX Directive	*EN 60079-0:2012+A11:2013* *EN 60079-1:2014* *EN 60079-31:2014*
IEC Certification Scheme For Explosive Atmosphere	*IEC 60079-0:2011, Ed. 6.0* *IEC 60079-1:2014-06, Ed. 7.0* *IEC 60079-31:2013, Ed. 2.0*

Type Examination Certificate	
ATEX	*IECEx*
SIRA 10 ATEX 1068U Issue No. 4	*IECEx SIR 10.0057U Issue No. 2*
Certification Body	
ATEX	*IECEx*
CSA Group Netherlands B.V. *Utrechtseweg 310,6812 AR,* *Arnhem,Netherlands.* *Reg No.: 2813*	*Sira Certification Service,(CSA Group)* *Unit 6,Hawarden Industrial Park,Hawarden,* *CH5 3US, United Kingdom*
Marking (Note 1)	
ATEX	*IECEx*
II 2G Ex db IIC Gb *II 2D Ex tb IIIC Db IP 66* *2813 Ta= -40 ^{0}C to +150 ^{0}C*	*Ex db IIC Gb* *Ex tb IIIC Db IP 66* *T_a = -40 ^{0}C to +150 ^{0}C*

Note 1: Rating data,characteristics and for incorporation into equipment refer Installation & operating manual.

QAN compliance has been approved by Notified Body CSA Group Netherlands B.V.,Utrechtseweg 310,6812 AR, Arnhem,Netherlands. (Notified Body number 2813).

To verify the status and authencity of IECEx Certificate of Conformity, please visit Official IECEx Website

Signature :

Name : *Tom Michalski*

Designation : *Certifications Manager*

Place and Date : *Fenton, 25-10-2019*

Material Safety Data Sheet

To Whom It May Concern,

The Larson Electronics LLC CLP industrial line of flex couplers 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.

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CERTIFICATE OF COMPLIANCE

Certificate Number	20170210-E10514
Report Reference	E10514-19670824
Issue Date	2017-February-10
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	CONDUIT FITTINGS FOR USE IN HAZARDOUS LOCATIONS SEE ADDENDUM PAGE FOR MODELS
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1203: Standard for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations UL 514B: Standard for Conduit, Tubing and Cable Fittings
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, Assistant Chief Engineer, Global Inspection and Field Services

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 www.ul.com/contactus

CERTIFICATE OF COMPLIANCE

Certificate Number	20170210-E10514
Report Reference	E10514-19670824
Issue Date	2017-February-10

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Series EKJ flexible fixture fittings for use in hazardous locations.

Series EKJ, Cat. Nos. EKJ-14 to -136 and EKJ-24 to -236, conduit sizes 1/2 and 3/4 in. for use in Class I, Groups A, B, C and D, Class II. Groups E, F, and G hazardous locations.

Series EKJ, Cat. Nos. EKJ-34 to -336, conduit size 1 in., for use in Class I, Groups C and D, Class IT, Groups E, F and G hazardous locations.

Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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 www.ul.com/contactus

CSA INTERNATIONAL

Certificate of Compliance

Certificate: 2218736 **Master Contract:** 151933

Project: 2429874 **Date Issued:** July 19, 2011

Issued to: **Killark Electric Manufacturing Co.**

3940 Dr. Martin Luther King Dr.
St. Louis, MO 63113
USA
Attention: Tom Michalski

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

C US

D. Somma

Issued by: D. Somma, C.E.T.

PRODUCTS

CLASS 3428 82 - FIXTURES AND FITTINGS-Fixture Fittings - For Hazardous Locations-Certified to U.S. Standards

CLASS 3428 02 - FIXTURES AND FITTINGS - Fixture Fittings - For Hazardous Locations

CLASS 4418 83 - CONDUIT FITTINGS - Fittings - For Hazardous Locations - Certified to US Standards

CLASS 4418 03 - CONDUIT FITTINGS - Fittings - For Hazardous Locations

PART A

CLASS 4418 03 – CONDUIT FITTING – Fittings for Metal Conduit – For Hazardous Locations

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III:

- Flexible connection fittings, rain-tight, Series EKJ and EKJ***SS conduit sizes 1/2, 3/4, 1, 1-1/4, 1-1/2 and 2.0 inches, with flexible lengths ranging from 4 to 36 in. Inside radii of bends should not be less than 10 in. for the 1/2 in., 12 in. for the 3/4 in., 14 in. for the 1 and 1-1/4 in. and 16 in. for the 1-1/2 in. and 2 in. Series EKJ***SS conduit size 2-1/2 in. with flexible lengths ranging from 12 to 36 in. Inside radii of bends should not be less than 24 in. for the 2-1/2 in. EKJ may be followed by UF, may be followed by MF or FF, maybe followed by Ex. EKJ***SS may have UF prior to the SS, may have MF or FF after the SS may be followed by Ex. Series ECF conduit sizes 1/2, 3/4 and 1 in. with flexible lengths ranging from 4 to 36 in. Inside radii of bends should not be less than 10 in. for the 1/2 in., 12 in. for the 3/4 in. and 14 in. for the 1 in. ECF may be followed by UF, may be followed by MF or FF, maybe followed by Ex.

- Flexible connection fittings, rain-tight, Series EKJ-S*** conduit size 2-1/2 in., with flexible lengths ranging from 12 to 36 in. Inside radii of bends should not be less than 24 in. for the 2-1/2 in.

Class I, Groups C and D; Class II, Groups E, F and G; Class III:
- Flexible connection fittings, rain-tight, Series EKJ***SS conduit sizes 3 and 4 in. with flexible lengths ranging from 12 to 36 in. Inside radii of bends should not be less than 36 in. for the 3 in., and 48 in. for the 4 in. EKJ may be followed by UF, may be followed by MF or FF, maybe followed by Ex. EKJ***SS may have UF prior to the SS, may have MF or FF after the SS may be followed by Ex.
- Flexible connection fittings, rain-tight, Series EKJ-S*** conduit sizes 3 and 4 in., with flexible lengths ranging from 12 to 36 in. Inside radii of bends should not be less than 36 in. for the 3 in., and 48 in. for the 4 in.

CLASS 4418 83 – CONDUIT FITTING – Fittings for Metal Conduit – For Hazardous Locations – Certified to US Standards

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III:
- Flexible connection fittings, rain-tight, Series EKJ conduit size ½ and ¾ in. and EKJ***SS conduit sizes ½ and ¾ in. with flexible lengths ranging from 4 to 36 in. Inside radii of bends should not be less than 10 in. for the 1/2 in. and 12 in. for the 3/4 in. Series ECF conduit size 3/4 in. with flexible lengths ranging from 4 to 36 in. Inside radii of bends should not be less than 12 in. for the 3/4 in. EKJ may be followed by UF, may be followed by MF or FF, maybe followed by Ex. EKJ***SS may have UF prior to the SS, may have MF or FF after the SS may be followed by Ex.

Class I, Groups C and D; Class II, Groups E, F and G; Class III:
- Flexible connection fittings, rain-tight, Series EKJ and EKJ***SS conduit sizes 1, 1-1/4, 1-1/2 and 2 in. with flexible lengths ranging from 4 to 36 in. Inside radii of bends should not be less than 14 in. for the 1 and 1-1/4 in. and 16 in. for the 1-1/2 and 2 in. Series ECF conduit size 1 in. with flexible lengths ranging from 4 to 36 in. Inside radii of bend should not be less than 14 in. for the 1 in. EKJ may be followed by UF, may be followed by MF or FF, maybe followed by Ex. EKJ***SS may have UF prior to the SS, may have MF or FF after the SS may be followed by Ex.

PART B

PRODUCTS

CLASS 3428 02 - FIXTURES AND FITTINGS-For Hazardous Locations

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III:
- Flexible fixture fittings, rain-tight , Series EKJ, conduit sizes 1/2, 3/4 and 1 in. with flexible lengths ranging from 4 to 36 in. Inside radii of bends should not be less than 10 in. for the 1/2 in., 12 in. for the 3/4 in. and 14 in. for the 1 in EKJ may be followed by UF, may be followed by MF or FF, maybe followed by Ex.

CLASS 3428 82 - FIXTURES AND FITTINGS-For Hazardous Locations-Certified to U.S. Standards

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III:

CSA INTERNATIONAL

Certificate: 2218736 **Master Contract:** 151933

Project: 2429874 **Date Issued:** July 19, 2011

- Flexible fixture fittings, rain-tight , Series EKJ, conduit size ½ and 3/4 in. with flexible lengths ranging from 4 to 36 in. Inside radii of bends should not be less than 10 in. for the 1/2 in. and 12 in. for the 3/4 in. EKJ may be followed by UF, may be followed by MF or FF, maybe followed by Ex.

Class I, Groups C and D; Class II, Groups E, F and G; Class III:

- Flexible fixture fittings, rain-tight, Series EKJ, conduit size 1 in. with flexible lengths ranging from 4 to 36 in. Inside radii of bend should not be less than 14 in. for the 1 in. EKJ may be followed by UF, may be followed by MF or FF, maybe followed by Ex.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 0-10	General Requirements
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.
CAN/CSA-C22.2 No. 0.4-M1982	Bonding and Grounding of Electrical Equipment (Protective Grounding)
CAN/CSA-C22.2 No 94-M91	Special Purpose Enclosures – For Industrial Equipment
ANSI/UL 50E (11th ed.)	Enclosures for Electrical Equipment
ANSI/UL 886 (10th ed.)	Outlet Boxes and Fittings for use in Hazardous (Classified) Locations
ANSI/UL 1203 (4th ed.)	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment For use in Hazardous (Classified) Locations

MARKINGS

Metal name plate fits over the outer braid is secured by steel strapping which fits through slots at the ends of the name plate;

Manufacturer's name, Trade Mark or Master Contract Number;

CSA INTERNATIONAL

Certificate:	2218736	**Master Contract:**	151933
Project:	2429874	**Date Issued:**	July 19, 2011

Catalogue Number Designation;

Hazardous Locations Designation (Class I Groups A, B, C and D; Class II Groups E, F and G; Class III. Or I ABCD; II EFG; III as described in the report); Optionally may be marked with the addition of Zone Marking (e.g. Class I, Zone 1, Groups IIA, IIB, IIC)

Trade Size;

Raintight;

cCSAus monogram.

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: CLP-ss Series
Description: Explosion Proof Flex Coupler

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 EPJ-Y 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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Frequently Asked Questions (FAQ)

There are no Faqs