



Certificate of Compliance

Certificate: 70064204 (036087_0_000)

Master Contract: 169790

Project: 70064204

Date Issued: 2016-05-17

Issued to: Pepperl+Fuchs GmbH
Lilienthalstrasse 200
Mannheim, 68307
GERMANY
Attention: Christine Trübe

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.



Issued by: Semyon Baum
Semyon Baum

PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-

CLASS - C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

Class I, Div 2, Groups A, B, C, D;

Ex nA IIC T4 Gc

Class I, Zone 2, AEx nA IIC T4 Gc

Segment Coupler type KFD2-BR-1.PA.1500*

Technical Data:

Power dissipation: < 2W

Power Supply:

$U_{\text{supply}} = 20\text{V} \dots 30\text{Vdc}$

$I_{\text{supply}} = 660\text{-}360 \text{ mA}$

Output voltage: $U_{\text{out}} = 24\text{V} \dots 26\text{V}$

Max. output current: $I_{\text{out}} = 400 \text{ mA}$

Specific Conditions of Use:

1. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.



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2. The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with CSA-C22.2 No. 60079-0:11 and ANSI/UL 60079-0.
3. Connection or disconnection of any energized circuits is only permitted in the absence of a potentially explosive atmosphere.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 0-10	General requirements — Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements (Third Edition)
CSA-C22.2 No. 60079-0:11	Explosive atmospheres — Part 0: Equipment — General requirements
CSA-C22.2 No. 60079-15:12	Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection “n” electrical apparatus
ANSI/UL 61010-1	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements (Third Edition)
ANSI/UL 60079-0	Explosive atmospheres — Part 0: Equipment — General requirements
ANSI/UL 60079-15	Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection “n” electrical apparatus

The following standard(s) were used in whole or in part as a guideline

IEC 60079-0:2011 (Ed. 6.0)	Explosive Atmospheres – Part 0: Equipment – General Requirements
IEC 60079-15:2010 (Ed. 4.0)	Explosive Atmospheres – Part 15: Equipment Protection by Type of Protection “n”

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Method of Marking: Markings are silkscreened on the enclosure with permanent epoxy ink.

The following markings shall appear on all products:

1. The CSA Mark, as shown on page 1 of the Certificate of Conformity.
2. Manufacturer’s name, or CSA master contract number, adjacent to the CSA mark.
3. The characters “CSA 16.70064204”, designating the certification body, followed by the last two digits of the year of report issue, followed by a period, followed by the original report number.
4. Hazardous Location designation: As specified in the PRODUCTS section above (may be abbreviated).
5. Method of Protection (Ex) markings: As specified in the PRODUCTS section above.



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6. Temperature code: As specified in the PRODUCTS section above.
 7. Model number: As specified in the PRODUCTS section above.
 8. Electrical rating: As specified in the PRODUCTS section above.
 9. Ambient temperature rating: As specified in the PRODUCTS section above.
 10. Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
 11. Identification of factory location, when produced at multiple locations.
- Other markings, as appropriate:
12. Terminal Designations adjacent to each field wiring terminal.



Supplement to Certificate of Compliance

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*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
70064204	2016-05-17	Original assessment of the Segment Coupler type KFD2-BR-1.PA.1500* under standards ANSI/UL/CAN/CSA-C22.2 No. 61010-1-12; ANSI/UL/CAN/CSA-C22.2 No. 60079-0:11; ANSI/UL/CAN/CSA-C22.2 No. 60079-15:12.