Certificate of Compliance

Certificate:	2595441	**Master Contract:**	169790
Project:	80232307	**Date Issued:**	2025-05-13
Issued to:	**Pepperl+Fuchs SE** **Lilienthalstrasse 200** **Mannheim, Baden-Württemberg 68307** **Germany** **Attention:** Stefan Wirtz	**Issued by:**	*Sorin Tat* Sorin Tat

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.

PRODUCTS

Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations
Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
Class 2258 82 PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards
Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations Certified to U.S. Standards

Class I, Div 1, Groups A, B, C and D, T4; or
Class I, Zone 0, AEx ia IIC T4 Ga; or
Class I, Zone 2, AEx ic IIC T4 Gc

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Project: 80232307 **Date Issued**: 2025-05-13

Surge Protector Fisco Field Device

Model(s)
types TCP-LBF-IA1.36.IE.0, TCP-LBF-IA1.36.IE.1, TPH-LBF-IA1.36.DE.0, TPH-LBF-IA1.36.DE.1, SCP-LBF-IA1.36.IE.0 and SCP-LBF-IA1.36.IE.1.

Intrinsically safe when connected as per Control Drawing reference 116-0365.

Ambient temperature range: -40 °C to +70 °C for Temperature Code/ Class T4.

Environmental Rating: IP20.

Ratings are as follows:

Class I, Div 1, Groups A, B, C and D, T4	Ui Ii Ci Li	≤ 24 V ≤ 500 mA ≤ 2 nF ≤ 100 nH
Class I, Zone 1, AEx ia IIC T4 Ga	Ui Ii Ci Li	≤ 24 V ≤ 500 mA ≤ 2 nF ≤ 100 nH
Class I, Zone 2 AEx ic IIC T4 Gc	Ui Ii Ci Li	≤ 33 V ≤ 600 mA ≤ 2 nF ≤ 100 nH

Note:

See Special Conditions for Safe Use.
Final installation is subject to acceptance of the local inspection authority having jurisdiction

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations

Class I, Div 1, Groups A, B, C and D, T4; or
Ex ia IIC T4 Ga; or
Ex ic IIC T4 Gc

Surge Protector Fisco Field Device

Model(s)
TCP-LBF-IA1.36.IE.0, TCP-LBF-IA1.36.IE.1, TPH-LBF-IA1.36.DE.0, TPH-LBF-IA1.36.DE.1, SCP-LBF-IA1.36.IE.0 and SCP-LBF-IA1.36.IE.1., and SCP-LBF-IA1.36.IE.1

Intrinsically safe when connected as per Control Drawing reference 116-0365

Ambient temperature range: -40 °C to +70 °C for Temperature Code/ Class T4.

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Environmental Rating: IP 20.

Ratings are as follows:

Class I, Div 1, Groups A, B, C and D, T4	Ui Ii Ci Li	≤ 24 V ≤ 500 mA ≤ 2 nF ≤ 100 nH
, Ex ia IIC T4 Ga	Ui Ii Ci Li	≤ 24 V ≤ 500 mA ≤ 2 nF ≤ 100 nH
Ex ic IIC T4 Gc	Ui Ii Ci Li	≤ 33 V ≤ 600 mA ≤ 2 nF ≤ 100 nH

Note:

See Special Conditions for Safe Use.Final installation is subject to acceptance of the local inspection authority having jurisdiction.

Class I, Div. 2, Group A, B, C and D, T4; or
Ex nL IIC T4 Gc; or
Ex nA IIC T4 Gc

Surge Protector Fisco Field Device

Model(s)
types TCP-LBF-IA1.36.IE.0, TCP-LBF-IA1.36.IE.1, TPH-LBF-IA1.36.DE.0, TPH-LBF-IA1.36.DE.1, SCP-LBF-IA1.36.IE.0 and SCP-LBF-IA1.36.IE.1.

Non-Incendive when connected as per Control Drawing reference 116-0365.

Ambient temperature range: -40 °C to +70 °C for Temperature Code/ Class T4.

Environmental Raring: IP 20.

Ratings are as follows:

Class I, Div. 2, Group A, B, C and D, T4	Ui Ii Ci Li	≤ 33 V ≤ 600 mA ≤ 2nF ≤ 100nH
Class I, Zone 2, Ex nL IIC T4 Gc	Ui Ii Ci Li	≤ 33 V ≤ 600 mA ≤ 2 nF ≤ 100 nH

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Class I, Zone 2, Ex nA IIC T4 Gc	Ui Ii	≤ 33 V ≤ 600 mA

Note:

See Special Conditions for Safe Use.

Final installation is subject to acceptance of the local inspection authority having jurisdiction.

Class I Div. 2, Group A, B, C and D, T4; or
Class I, Zone 2, AEx nAc IIC T4 Gc

Surge Protector Fisco Field Device

Model(s)
types TCP-LBF-IA1.36.IE.0, TCP-LBF-IA1.36.IE.1, TPH-LBF-IA1.36.DE.0, TPH-LBF-IA1.36.DE.1, SCP-LBF-IA1.36.IE.0 and SCP-LBF-IA1.36.IE.1.

Ambient temperature range: -40 °C to +70 °C for Temperature Code/ Class T4.

Environmental Rating: IP 20.

Ratings are as follows:

Class I Div. 2, Group A, B, C and D, T4	Ui Ii Ci Li	≤ 33 V ≤ 600 mA ≤ 2 nF ≤ 100 nH
Class I, Zone 2, AEx nAc IIC T4 Gc	Ui Ii	≤ 33 V ≤ 600 mA

Note:

See Special Conditions for Safe Use.

Final installation is subject to acceptance of the local inspection authority having jurisdiction.

APPLICABLE REQUIREMENTS

Amendment 1:2018 to CAN/CSA C22.2 No, 61010-1-12 - Third Edition - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

CSA C22.2 No. 213-17 -Third Edition - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified Locations)

CAN/CSA-C22.2 No. 60079-0:19 (R2024) - Explosive atmospheres — Part 0: Equipment — General requirements

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CAN/CSA-C22.2 No. 60079-11:14 (R2023) - Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”

CAN/CSA C22.2 No. 60079-15:12 - First Edition - Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection 'n' electrical apparatus.

ANSI/UL 61010-1:2012 - Third Edition - Including revisions through June 6, 2023 - Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements

ANSI/ISA 60079-27 (12.02.04) - Fieldbus Intrinsically Safe Concept (FISCO) and Fieldbus Non-Incendive Concept (FNICO)

UL 913:2006 - Seventh Edition - UL Standard for Safety Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division I, Hazardous (Classified) Locations

ANSI/UL 121201:2017 - Ninth Edition - Including Revisions Through April 1, 2021 - UL Standard for Safety Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

ANSI/UL 60079-0 (Seventh Edition) - UL Standard for Explosive Atmospheres - Part 0: Equipment - General Requirements

UL 60079-11 - UL Standard for Safety Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety "i" - Sixth Edition; Reprint with Revisions Through and Including January 25, 2023

UL 60079-15 (First Edition) - Electrical Apparatus for Explosive Gas Atmospheres – Part 15: Electrical Apparatus with Type of Protection 'n'

Conditions Of Acceptability

- Pay attention to avoid electrostatic discharges while operating the installed device. Avoid electrostatic charge.
- Intrinsically safe circuits must be suitable for the ambient temperature and be wired and separated in accordance with the wiring methods of National Electrical Code ANSI/NFPA 70, Canadian Electrical Code C22.1 or in accordance with the authority having jurisdiction.
- The Surge Protection Devices are open type devices and shall be installed in a tool-secured enclosure suitable for the application in accordance with the National Electrical Code ANSI/NFPA 70, the Canadian Electrical Code C22.1 or in accordance with the authority having jurisdiction.

Class I, Division 1

- The Surge Protection Devices do not meet the requirement of CAN/CSA-C22.2 No. 157-92 or UL913 (ANSI/UL 60079-11), Dielectric Strength Requirements, between the intrinsically safe circuit and the parts that may be earthed, due to presence of Gas Discharge Tubes.

Class I, Zone 0

- Equipment shall be installed in accordance with IEC 60079-25 or ISA 60079-25 (12.02.05), clause 12, ‘Protection against lightning and other electrical surges’.

Class I, Zone 1, Intrinsic safety ‘ia’ and ‘ib’

- The Surge Protection Devices do not meet the requirement of CAN/CSA-C22.2 No. 60079-11 or ANSI/UL 60079-11, Dielectric

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Strength Requirements, between the intrinsically safe circuit and the parts that may be earthed, due to presence of Gas Discharge Tubes.

- Equipment shall be installed in accordance with IEC 60079-25 or ISA 60079-25 (12.02.05), clause 12, 'Protection against lightning and other electrical surges'.

Class I, Zone 2, Intrinsic safety 'ic'

- The Surge Protection Devices do not meet the requirement of CAN/CSA-C22.2 No. 60079-11 or ANSI/UL 60079-11, Dielectric Strength Requirements, between the intrinsically safe circuit and the parts that may be earthed, due to presence of Gas Discharge Tubes.
- The Surge Protection Devices shall be fitted in a protective enclosure providing a degree of protection of at least IP54, which shall comply with CAN/CSA-C22.2 No. 60079-0 or ANSI/UL 60079-0.
- Equipment shall be installed in accordance with IEC 60079-25 or ISA 60079-25 (12.02.05), clause 12, 'Protection against lightning and other electrical surges'.

Class I, Zone 2, Non incendive 'nAc' and nA'

- The Surge Protection Devices do not meet the requirement of CAN/CSA-C22.2 No. 60079-15 or ANSI/UL 60079-15, Electric Strength, Insulation from Earth or Frame, due to presence of Gas Discharge Tubes.
- The Surge Protection Devices shall be fitted in a protective enclosure providing a degree of protection of at least IP54, which shall comply with CAN/CSA-C22.2 No. 60079-0 or ANSI/UL 60079-0 and CAN/CSA-C22.2 No. 60079-15 or ANSI/UL 60079-15.
- Connection or disconnection of energized non-intrinsically safe circuits is only permitted in the absence of hazardous atmosphere.
- The field wiring connections shall either be mechanically secured or shall require a separation force of at least 15 N.
- Equipment shall be installed in accordance with IEC 60079-25 or ISA 60079-25 (12.02.05), clause 12, 'Protection against lightning and other electrical surges'.

Class I, Zone 2, Energy Limited 'nL'

- The Surge Protection Devices do not meet the requirement of CAN/CSA-C22.2 No. 60079-15 or ANSI/UL 60079-15, Electric Strength, Insulation from Earth or Frame, due to presence of Gas Discharge Tubes.
- The Surge Protection Devices shall be fitted in a protective enclosure providing a degree of protection of at least IP 54, which shall comply with CAN/CSA-C22.2 No. 60079-0 or ANSI/UL 60079-0 and CAN/CSA-C22.2 No. 60079-15 or ANSI/UL 60079-15.
- Equipment shall be installed in accordance with IEC 60079-25 or ISA 60079-25 (12.02.05), clause 12, 'Protection against lightning and other electrical surges'.

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Project: 80232307 **Date Issued**: 2025-05-13

Notes:

Products certified under Class(es) C225802, C225804, C225882, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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Supplement to Certificate of Compliance

Certificate: 2595441 **Master Contract:** 169790

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
80232307	2025-05-13	Update to cCSAus Report 2595441 to update the standards CSA C22.2 No. 157-92, CAN/CSA-C22.2 No. 60079-0:11 and CAN/CSA-C22.2 No. 60079-11:11 as per the applicable Hazloc Notice, Hazardous Locations Products No. 23 based on IECEx ExTR Ref No. GB/SIR/ExTR12.0242/00 and IECEx Certificate, IECEx SIR 12.0051X. CAN/CSA C22.2 No. 213-M1987 to also be updated to its latest editions as per the applicable Hazloc Notice, Hazardous Locations Products No. 28
2595441	2013-04-25	Original cCSAus Certification of the Surge Protector modules.

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