Certificate of Compliance

Certificate: 70000011 **Master Contract:** 215727

Project: 80174832 **Date Issued:** December 13, 2024

Issued to: **DEHN SE GmbH + Co KG**
Hans-Dehn-Strasse 1
NEUMARKT/OBERPFLAZ, 92318
GERMANY

Attention: **Mr. Christian Frey**

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

Issued by: B J Allen

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT – Intrinsically safe entity-For Hazardous Locations
CLASS 2258 84 - PROCESS CONTROL EQUIPMENT – Intrinsically safe entity For Hazardous Locations – certified to U.S

IS, Class I Div 1, GP A,B,C,D T4 … T6,
Ex ia [ia] IIC T4 … T6,
Class I, Zone 1, AEx ia [ia] IIC T4 … T6,

Blitzductor BXT BAS EX (Base unit)
Blitzductor BXT ML4 BD EX 24 (Module)
Blitzductor BXT ML4 BC EX 24 (Module)
Blitzductor BXT ML2 BD S EX 24 (Module)
Blitzductor BXT ML2 BD HF EX 6 (Module)

The Blitzductor BXT series serve as transient suppressors in the lines of intrinsically safe circuits. They are intrinsically safe as per Control Drawing as indicated.

Ambient temperature range: -40 °C to +80 °C for temperature class T4,
-40 °C to +75 °C for temperature class T5,
-40 °C to +50 °C for temperature class T6.

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Electrical data

Part-no.	Type	Entity Parameters
920 381	BXT ML4 BD EX 24	Module input circuits: Ui (Vmax) = 30 V; Ii (Imax)= 500 mA; Pi = any; Ci = 0 nF; Li = 0 mH; or Ui (Vmax) = 17,5 V; Ii (Imax)= 380 mA; Pi = 5,32 W; Ci = 0 nF; Li = 0 µH. Module output circuits: The values of Uo (Voc), Io (Isc) and Po are determined by the parameters of the circuit(s) to which the Blitzductor BXT series is connected. The electrical data applies to each circuit of the module.
920 280	BXT ML2 BD S EX 24	Module input circuits: Ui = 30 V(Vmax); Ii (Imax)= 500 mA; Pi = any; Ci = 0 nF; Li = 0 mH;or Ui (Vmax)= 17,5 V; Ii (Imax)= 380 mA; Pi = 5,32 W; Ci = 0 nF; Li = 0 µH. Module output circuits: The values of Uo(Voc), Io (Isc) and Po are determined by the parameters of the circuit(s) to which the Blitzductor BXT series is connected. The electrical data applies to each circuit of the module. The terminals X3, X4, X3’ and X4’ are considered to be connected to earth
920 384	BXT ML4 BC EX 24	Module input circuits: Ui = 30 V(Vmax); Ii (Imax) = 500 mA; Pi = any; Ci = 0 nF; Li = 0 mH; or Ui (Vmax)= 17,5 V; Ii (Imax)= 380 mA; Pi = 5,32 W; Ci = 0 nF; Li = 0 µH. Module output circuits: The values of Uo(Voc), Io (Isc) and Po are determined by the parameters of the circuit(s) to which the Blitzductor BXT series is connected. The electrical data applies to the combined circuits of the Module.
920 538	BXT ML2 BD HF EX 6	Module input circuits: Ui (Vmax)= 4,2 V; Ii (Imax)= 4,8 A; Pi = any; Ci = 0 nF; Li = 0 mH;or Module output circuits: The values of Uo(Voc), Io (Isc) and Po are determined by the parameters of the circuit(s) to which the Blitzductor BXT series is connected. The electrical data applies to each circuit of the module.

The dielectric strength of at least 500 V of the intrinsically safe circuits of the Blitzductor series BXT is limited only by the overvoltage protection.

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APPLICABLE REQUIREMENTS

ANSI/UL Standard 913 (2006)	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations
CAN/CSA-C22.2 No. 60079-0-11 ANSI/ISA-60079-0 (2009)	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
CAN/CSA C22.2 No. 60079-11-14 ANSI/ISA-60079-11(2007) ;	- Electrical apparatus for explosive gas atmospheres; Part 11: Intrinsic Safety “i”
C22.2 No. 142-M1987 (R2004)	Process Control Equipment
UL Standard 916	Energy Management Equipment

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.

The following marking is marked with an adhesive label, Fa. Schreiner, type 81-132/39-26,, or by pad printing on the enclosure of the surge voltage protection unit.

(1) Submittor's name, trademark
(2) Catalogue / Model designation.
(3) Complete electrical rating (amps, hertz, and volts).
(4) Date code / Serial number traceable to month and year of manufacture.
(5) The cCSAus Monogram
(6) Certificate number CSA.12.70000011
(7) Reference to control drawings
(8) The words “IS, Class I Div 1, GP A,B,C,D T4 … T6, Entity and/or Class I, Zone 1, AEx ia [ia] IIC T4 … T6, Entity”
(9) Maximum ambient temperature Ta = +50 °C / 75 °C /80 °C
(10) The following cautions:

“WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY”

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings

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