



Certificate of Compliance

Certificate: 2670613

Master Contract: 172302 (061006_0_000)

Project: 70186140

Date Issued: 2018-06-28

Issued to: Balluff GmbH
Schurwaldstrasse 9
Neuhausen a.d.F., Baden-Württemberg 73765
GERMANY
Attention: Karl Blessing

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: Ravindra (Ravi) Kanthe
Ravindra (Ravi) Kanthe

PRODUCTS

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

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

NI: Class I, Division 2, Groups ABCD; Class II, Division 2, Groups EFG; T4;

CAN: Class I, Zone 2, Ex nA IIC T4; Ex tb IIIC T135°C;

USA: Class I, Zone 2, AEx nA IIC Gc T4; AEx tb IIIC Db T135°C;

Micropulse NEX Analog Way Sensor Model BTL7-wxyy-M****-*-NEX-z, rated 30Vdc / 4 Watts max.

Ambient Temperature: $-40^{\circ}\text{C} < T_{\text{amb}} < +60^{\circ}\text{C}$. Where w can be A, G, C or E and x can be 1 or 5 and yy can be 00, 01, 10 or 70 and z can be plug version S32, SR32 or cable length K*, KA*.

Micropulse NEX Digital Way Sensor Model BTL7-P511-M****-*-NEX-z, rated 30Vdc / 4 Watts max. Ambient Temperature: $-40^{\circ}\text{C} < T_{\text{amb}} < +60^{\circ}\text{C}$. Where z can be plug version S32, SR32 or cable length K*, KA*.

Micropulse NEX SSI Way Sensor Model BTL7-S5***-M****-*-NEX-z, rated 30Vdc / 4 Watts max. Ambient Temperature: $-40^{\circ}\text{C} < T_{\text{amb}} < +60^{\circ}\text{C}$. Where z can be plug version S32, SR32 or cable length K*, KA*.

NOTES:

The equipment shall be protected from impacts with high energy in the final installation.



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* Denotes a parameter that does not affect electrical safety.

APPLICABLE REQUIREMENTS

- | | |
|---------------------------------|--|
| CSA Standard C22.2 No 0-10 | - General Requirements - Canadian Electrical Code, Part II |
| CSA Standard C22.2 No 0.4-04 | - Bonding of Electrical Equipment |
| CSA Standard C22.2 No 142-M1987 | - Process Control Equipment |
| CSA Standard C22.2 No 213-M1987 | - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations |
| CSA 60079-0: 11 | - Explosive atmospheres - Part 0: Equipment - General requirements |
| CSA 60079-15: 12 | - Explosive atmospheres - Part 15: Construction, test and marking of type of protection "n" electrical apparatus |
| CSA 60079-31: 12 | - Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't' |
| ANSI/UL Standard 508, Ed. 17 | - Industrial Control Equipment |
| ANSI/ISA 12.12.01: 2013 | - Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations |
| UL 60079-0, Ed. 6 | - Explosive atmospheres - Part 0: Equipment - General requirements |
| UL 60079-15, Ed. 4 | - Explosive atmospheres - Part 15: Equipment protection by type of protection "n" |
| ANSI/ISA 60079-31: 2013 | - Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't' |

MARKINGS

Please refer the MARKINGS section of Descriptive Report and Test Results for details.



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
70186140	2018-06-28	Update to report 2670613 to include <ol style="list-style-type: none">1) Drawings revision changes as mentioned with explanation of changes and2) Increase in the maximum length of the way sensor BTL7 NEX to 5500 mm.
70025146	2016-03-16	Update to report 2670613 to increase the maximum length of the way sensor BTL7 NEX to 5000mm. The temperature range was extended to -40°C. The bonding material of the internal electrical plug was changed to RTV744. The respective testing based on Bureau Veritas IECEx report IECEx/EPS/13.0004X.
2711153	2014-04-24	Update to report 2670613 to correct typographical errors with the Zone ratings and a nomenclature update.
2670613	2014-02-14	Original certification for the micro pulse Way Sensor model series BLT7 for Class I, Zone 2 and Class I, Div 2 based on Bureau Veritas ATEX report 12TH0564 and IECEx report IECEx/EPS/13.0004X.