



Certificate of Compliance

Certificate: 70165162

Master Contract: 153857

Project: 70203801

Date Issued: 2019-01-11

Issued to: Vega Grieshaber KG
Am Hohenstein 113
Schiltach, Baden-Württemberg 77761
GERMANY
Attention: Seyedeh Hashemi

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: Hossein Saleh
Hossein Saleh

PRODUCTS

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations - Certified to U.S. Standards

Class I, Division 2, Groups A, B, C, and D T4 provides IS outputs to Class I/II, Division 1, Groups ABCD/EFG [Ex ia]

Ex nA nC ic [ia Ga][ia IIIC Da] IIC T4 Gc

Class I, Zone 2, AEx nA nC ic [ia Ga][ia IIIC Da] IIC T4 Gc

[Ex ia Ga] IIC [Ex ia Da] IIIC

Signal Conditioning Instruments Type VEGATOR TOR111/ TOR 112 **S/X****, VEGATOR TOR121/ TOR 122 **S/X**** and VEGATOR TOR141/ TOR142**S/X****, which are used for the supply of passive, intrinsically safe two wire measuring sensors. Electrical rating 24 ... 230 VAC (-15 ... +10%), 50-80Hz, 24 ... 65 VDC (-15 ... +10%), max. 2W.

Connections to the intrinsically safe circuits provided per Control Drawing No. GE3940, GE3933 and GE3941. Relays contact 253 VAC, 3 A/ 50 VDC, 1 A. The permissible ambient temperature range is -20 °C ... +60 °C.





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Model VEGATOR 111 – TOR111.Cabcdef

a = Approval: A, C or O

b = Execution: X or S

c = SIL-Qualification: X or S

d = Housing/Protection: K or U

e = Terminal blocks/Connection: X or B

f = Certificate: M or X

Model VEGATOR 112 – TOR112.Cabcdef

a = Approval: A, C or O

b = Execution: X or S

c = SIL-Qualification: X or S

d = Housing/Protection: K or U

e = Terminal blocks/Connection: X or B

f = Certificate: M or X

Model VEGATOR 121 – TOR121.Cabcdef

a = Approval: A, C or O

b = Execution: X or S

c = SIL-Qualification: X or S

d = Housing/Protection: K or U

e = Terminal blocks/Connection: X or B

f = Certificate: M or X

Model VEGATOR 122 – TOR122.Cabcdef

a = Approval: A, C or O

b = Execution: X

c = SIL-Qualification: X or S

d = Housing/Protection: K or U

e = Terminal blocks/Connection: X or B

f = Certificate: M or X



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Model VEGATOR 141 – TOR141.Cabcdef

a = Approval: A, C or O

b = Execution: X or S

c = SIL-Qualification: X or S

d = Housing/Protection: K or U

e = Terminal blocks/Connection: X or B

f = Certificate: M or X

Model VEGATOR 142 – TOR142.Cabcdef

a = Approval: A, C or O

b = Execution: X

c = SIL-Qualification: X or S

d = Housing/Protection: K or U

e = Terminal blocks/Connection: X or B

f = Certificate: M or X

Notes:

1. The above model is permanently connected, Pollution Degree 2, Overvoltage Category II
2. Mode of operation: Continuous
3. Environmental Conditions: Extended: -20 to 60 °C, 5000 m max

Conditions of Acceptability:

1. The apparatus shall be installed in an area of not more than Pollution Degree 2 as defined in IEC 60664-1.
2. For Zone 2 application, according to CSA/UL 60079-15, section 6.3.1, the following is valid for this apparatus:
 - a) The apparatus has to be mounted in a housing tested according to CSA/UL 60079-0 that meets the requirements of degree of protection IP54.
 - or
 - b) The apparatus has to be mounted in a housing tested according to CSA/UL 60079-0 that meets the requirements of degree of protection IP4X. Then, the apparatus may exclusively be mounted in locations providing adequate protection against the entry of solid foreign objects or liquids.
3. For Division 2 outdoor application, this device shall be installed within a fixed end-use enclosure that provides a degree of protection Type 4. The suitability of the enclosure is subject to acceptance by the local authorities having jurisdiction at the time of installation.
4. The final end-use enclosure must bear the following warning marking both in French and English: “Do not connect or disconnect when an explosive atmosphere is present”.



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APPLICABLE REQUIREMENTS

CSA Std 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
CSA Std. C22.2 No. 213-M1987 (R 2004)	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA Std. C22.2 No. 60079-0:12	Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements
CAN/CSA Std. C22.2 No. 60079-11:12	Electrical apparatus for explosive gas atmospheres - Part 11: intrinsic safety “i”
CAN/CSA Std. C22.2 No. 60079-15:12	Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements
UL Std. No. 61010-1 (3 rd Edition)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
ANSI/ISA 12.12.01:2007	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations
ANSI/UL 60079-0 (5th Edition 2009)	Explosive Atmospheres – Part 0: Equipment - General Requirements
ANSI/UL 60079-15: 2013	Explosive atmospheres – Part 15: Equipment protection by type of protection ‘n’
ANSI/UL 60079-11(6th Edition 2013)	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”



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
70203801	2019-01-11	Update to CSA Report and Certificate 70015644 for the following changes: 1) Update of Marking to: Class I, Division 2, Groups A, B, C, D T4 provides IS outputs to Class I/II, Division 1, Groups ABCD/EFG [Ex ia]; Ex nA nC ic [ia Ga] [ia IIIC Da] IIC T4 Gc; Class I, Zone 2, AEx nA nC ic [ia Ga] [ia IIIC Da] IIC T4 Gc; [Ex ia Ga] IIC [Ex ia Da] IIIC; 2) Revision of several Descriptive Documents; 3) Update of conformal coating material.
70165162	2018-01-25	Update to North American Report and Certificate 70015644 to cover changes to Model VEGATOR 121S, and update of several descriptive documents. The assessment shall be based on ExTR Addendum DE/TUN/ExTR14.0006/01, assuming no testing is required.
70015644	2015-09-25	New Product Certification – VEGATOR 111/112; VEGATOR 121/122; and VEGATOR 141/142.

