



Certificate: 1563164
Project: 70135564

Master Contract: 269811
Date Issued: 2017-05-16

g = Transmitter Mount: 1, 2, 3 or 4

h = Insertion Length (fixed probe only): Three Digit Numerical Code representing different Lengths

- "CorrTran MV", Corrosion Transmitter/Probe, model number CMCa-bcde-0f-A2IHg-D2-h, rated 11-30Vdc, 4-20 mA; temperature code T4, ambient temperature range -50C to +70C; device is for installation in Class I, Division 2, Group A,B,C,D, Class II, Division 2, Group F,G and Class III hazardous locations with intrinsically safe outputs to integral or remote probe installed in Class I, Division 1, Group A,B,C,D, Class II, Division 1, Group E, F, G, Class III hazardous locations per drawing 116-0275. Suffices in part number denote the following,

a = Corrosion Type: M

b = Process Connection: N21, A31 can be other combination of letters or numbers.

c = Measurement/Probe Material. CB, CF, DB, DF, might be combination of other letters or numbers.

d = Probe Mounting: A through F and other letters

e = Probe length (custom or standard):

f = Electrode Material: 0A through 0Q other letters and numbers (Varies from Carbon steel to Titanium).

g = Transmitter Mount: 1, 2, 3 or 4

h = Insertion Length (fixed probe only): Three Digit Numerical Code representing different Lengths

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 US Standards

Class I, Division 1, Group A, B, C, D; Class II, Division 1, Group E, F, G; Class III; CSA Type 4X; IP67:

- "CorrTran MV", Corrosion Transmitter/Probe, model number CMCa-bcde-0f-A2IHg-IS-h, rated 11-30Vdc, 4-20 mA; temperature code T4, ambient temperature range -50C to +70C; intrinsically safe with entity parameters, $V_{max} = 30V$, $I_{max} = 100\text{ mA}$, $C_i = 0$, $L_i = 0$, when installed per drawing 116-0275. Suffices in part number denote the following,

a = Corrosion Type: M

b = Process Connection: N21, A31 can be other combination of letters or numbers.

c = Measurement/Probe Material. CB, CF, DB, DF, might be combination of other letters or numbers.

d = Probe Mounting: A through F and other letters

e = Probe length (custom or standard):

f = Electrode Material: 0A through 0Q other letters and numbers (Varies from Carbon steel to Titanium).

g = Transmitter Mount: 1, 2, 3 or 4

h = Insertion Length (fixed probe only): Three Digit Numerical Code representing different lengths

- "CorrTran MV", Corrosion Transmitter, model number CMTa-A2IHb-IS, rated 11-30Vdc, 4-20 mA; temperature code T4, ambient temperature range -50C to +70C; intrinsically safe with entity parameters, $V_{max} = 30V$, $I_{max} = 100\text{ mA}$, $C_i = 0$, $L_i = 0$; provides intrinsically safe circuits for connection to direct or remote mount P+F probes, types CMP-xxxx when installed per drawing 116-0275, or provides intrinsically safe circuits with entity parameters of $V_{oc} = 11.8\text{ V}$, $I_{sc} = 27\text{ mA}$, $C_a = 1.5\text{ uF}$ and $L_a = 48.8\text{ mH}$ per drawing 116-0275. Suffices in part number denote the following,

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- “CorrTran MV”, Corrosion Transmitter, model number CMTa-A2IHb-EX, rated 11-30Vdc, 4-20 mA; temperature code T4, ambient temperature range -40C to +70C; device is Certified explosionproof for installation in Class I, Division 1, Group A,B,C,D hazardous locations with intrinsically safe circuits for connection to direct or remote mount P+F probes, types CMP-xxxx, installed in Class I, Division 1, Group A,B,C,D, Class II, Division 1, Group E, F, G, Class III hazardous locations per drawing 116-0275, or provides intrinsically safe circuits with entity parameters of Voc = 11.8 V, Isc = 27 mA, Ca = 1.5 uF and La = 48.8 mH per drawing 116-0275. Suffices in part number denote the following,

a = Corrosion Type: M

b = Transmitter Mount: 1, 2, 3 or 4

- “CorrTran MV”, Corrosion Transmitter, model number CMTa-A2IHb-D2, rated 11-30Vdc, 4-20 mA; temperature code T4, ambient temperature range -50C to +70C; device is for installation in Class I, Division 2, Group A,B,C,D, Class II, Division 2, Group E,F,G and Class III hazardous locations with intrinsically safe circuits for connection to direct or remote mount P+F probes, types CMP-xxxx, installed in Class I, Division 1, Group A,B,C,D, Class II, Division 1, Group E, F, G, Class III hazardous locations per drawing 116-0275, or provides intrinsically safe circuits with entity parameters of Voc = 11.8 V, Isc = 27 mA, Ca = 1.5 uF and La = 48.8 mH per drawing 116-0275. Suffices in part number denote the following,

a = Corrosion Type: M

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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91	General Requirements – Canadian Electrical Code, Part II
C22.2 No 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No. 94-M91	Special Purpose Enclosures
C22.2 No 142-M1987	Process Control Equipment
C22.2 No. 157-92	Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations
C22.2 No. 213-M1987	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
UL 50, Oct. 19, 1995	Enclosures for Electrical Equipment
UL 913, July 31, 2006	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III Division 1, Hazardous Locations
UL 916, Dec. 23, 1998	Energy Management Equipment
UL 1203, Sept. 15, 2006	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 1604, April 28, 1994	Electrical Equipment for Use in Class I and Class II, Division 2, and Class III Hazardous (Classified) Locations
IEC529 1989-11	Degrees of protection by enclosures (IP Code)



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MARKINGS

-IS versions:

- Company name or CSA Master Contract Number (269811);
- Model number;
- Serial number;
- Electrical rating;
- CSA Monogram, with indicators 'C' and 'US';
- Maximum ambient;
- T-code
- Special purpose enclosure designation, "Type 4X" and "IP67"
- Hazardous locations designation;
- Caution Statement "WARNING – SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY"
- Reference to I.S. Control Drawing: 116-0275

D2 versions:

- Company name or CSA Master Contract Number (269811);
- Model number;
- Serial number;
- Electrical rating;
- CSA Monogram, with indicators 'C' and 'US';
- Maximum ambient;
- T-code
- Special purpose enclosure designation, "Type 4X" and "IP67"
- Hazardous locations designation;
- the symbol, [Exia] and words ASSOCIATED EQUIPMENT
- Reference to I.S. Control Drawing: 116-0275
- Caution Statement: "WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR HAZARDOUS LOCATION."
- Caution Statement: "WARNING – DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON-HAZARDOUS"

-EX versions:

- Company name or CSA Master Contract Number (269811);
- Model number;
- Serial number;
- Electrical rating;
- CSA Monogram, with indicators 'C' and 'US';
- Maximum ambient;
- T-code
- Special purpose enclosure designation, "Type 4X" and "IP67"
- Hazardous locations designation;
- the symbol, [Exia] and words ASSOCIATED EQUIPMENT
- Reference to I.S. Control Drawing: 116-0275



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- "WARNING – KEEP COVER TIGHT WHEN CIRCUIT IS LIVE UNLESS AREA IS NON-HAZARDOUS"
- the statement, "SEAL MUST BE INSTALLED WITHIN 50mm OF THE ENCLOSURE"
- the warning, "WARNING: NOT FOR USE IN ATMOSPHERES CONTAINING ACETIC ACID", for –EX versions using the Epocap compound for the flange adapter seal
- CMP-xxxx Probes:
- Company name or CSA Master Contract Number (269811);
- Model number;
- Serial number;
- CSA Monogram, with indicators 'C' and 'US';



Supplement to Certificate of Compliance

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Master Contract: 269811

*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
70135564	2017-05-16	Update to Report 1563164 to re-issue Certificate of Compliance following Transfer of Report from MC 159754 (Pepperl+Fuchs, Incorporated) to MC 269811 (Metal Samples Company, A Div. of Alabama Specialty Products, Inc.) Reference project 70128148.
70110698	2017-02-07	Update Report 1563164 to cover the removal of Honeywell SmartCET.
2015580	2008-06-23	Update to add an alternative sealing material for the flange adapter and minor electronic revisions.
1948204	2007-09-25	Revised electronics.
1833856	2007-01-25	Submit Test Report to FM for Possible US FM Approval.
1840864	2006-11-23	Update to cover explosion proof with IS Probe Version.
1834515	2006-09-22	Update to cover revised electronics for I.S. version.
1805220	2006-08-16	Update to cover alternative electronics.
1751446	2006-01-24	Update the CMC Model Option Codes.
1712806	2005-10-07	Update for Class II and III.
1601450	2004-12-03	Revised Electronics, addition of I.S. listing and Type 4X and IP67.
1563164	2004-06-17	Original Certification.