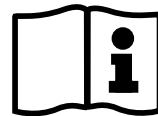


Safety Instructions

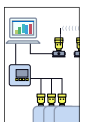
VEGAMET 391

Installation control diagram

GE 2564



42145



Content

1 Certificate

3

Special Conditions of Use:

1. The signal conditioner shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
2. The protective cover shall be fitted over the intrinsically safe terminals to maintain the necessary segregation between I.S. and non-I.S. terminals and wiring.
3. The VEGAMET shall be used with an FM Approved Plug Socket to Plug Socket to VEGAMET MET391C***.

WARNING:

SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR INTRINSIC SAFETY.

1 Certificate



FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

Vegamet MET391C-abc. Signal Conditioner.

AIS / I, II, III / 1 / ABCDEFG – GE2584; Entity
I / 0 / [AEx ia] IIC – GE2564; Entity
Entity Parameters (Terminals 1, 2):
 $U_o = 24.2 \text{ V}$, $I_o = 110 \text{ mA}$, $P_o = 662 \text{ mW}$, $C_i = 0$, $L_i = 0$.
a = Version: Z or H.
b = Interfaces: X, R or E.
c = Qualification: X or S.

Special Conditions of Use:

1. The signal conditioner shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
2. The protective cover shall be fitted over the intrinsically safe terminals to maintain the necessary segregation between I.S. and non-I.S. terminals and wiring.
3. The VEGAMET shall be used with an FM Approved Plug Socket to Plug Socket to VEGAMET MET391C***.

Equipment Ratings:

Intrinsically safe output connection for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G; Class I, Zone 0 [AEx ia] IIC; in accordance with Control Drawing No. GE2564 indoor Hazardous (Classified) Locations.

FM Approved for:

VEGA Grieshaber KG
77761 Schiltach, Germany

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:



Class 3600	1998
Class 3610	2010
Class 3810	2005
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009

Original Project ID: 3040952

Approval Granted: February 8, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

8 February 2012
Date



FM Approvals
 1151 Boston Providence Turnpike
 P.O. Box 9102 Norwood, MA 02062 USA
 T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

Vegamet MET391C-abc. Signal Conditioner.

AIS I/ I, II, III / 1 / ABCDEFG – GE2584; Entity

I / 0 / [Ex ia] IIC – GE2564; Entity

Entity Parameters (Terminals 1, 2):

$U_o = 24.2\text{ V}$, $I_o = 110\text{ mA}$, $P_o = 662\text{ mW}$, $C_i = 0$, $L_i = 0$.

a = Qualification; X or S.

b = Interfaces; X, R or E.

c = Version; Z or H.

Special Conditions of Use:

1. The signal conditioner shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
2. The protective cover shall be fitted over the intrinsically safe terminals to maintain the necessary segregation between I.S. and non-I.S. terminals and wiring.
3. The VEGAMET shall be used with an FM Approved Plug Socket to Plug Socket to VEGAMET MET391C***.
4. It is the responsibility of the manufacturer to provide warning markings in French where required by local jurisdictions.

Equipment Ratings:

Intrinsically safe output connection for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G; Class I, Zone 0 [Ex ia] IIC; in accordance with Control Drawing No. GE2564 indoor Hazardous Locations.

FM Approved for:

VEGA Grieshaber KG
 77761 Schiltach, Germany



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA C22.2 No. 142	2004
CSA C22.2 No. 157	2006
CAN/CSA E60079-0	2007
CAN/CSA E60079-11	2006
CSA C22.2 No. 61010.1	2009

Original Project ID: 3040952C

Approval Granted: February 8, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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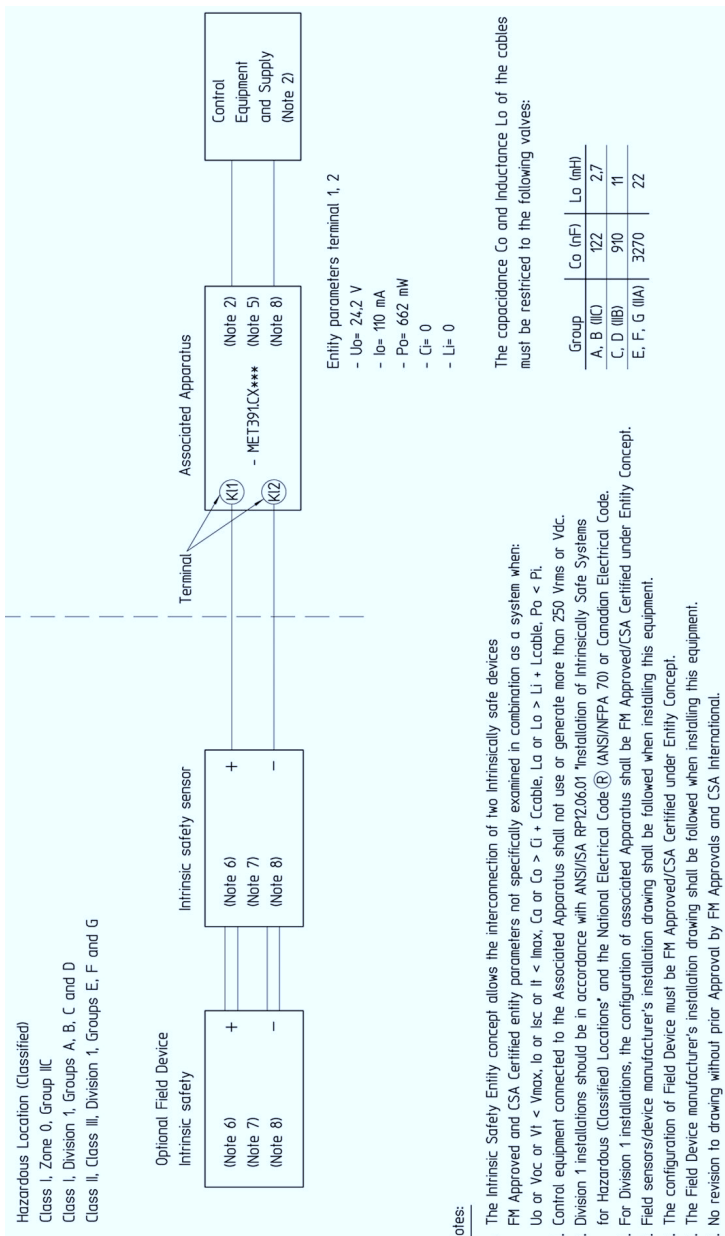
FM Approvals LLC



J. E. Marquedant

 J. E. Marquedant
 Group Manager, Electrical

8 February 2012

 Date



ECO NUMBER		SYM		REVISION		BY		CHECKED			
	Passmaß/fit dimensions		Abmaß/allowance	Änderung / revision						Art. Nr. / date EG.Nr.	gezeichnet / freigegeben drawn / checked
	Freimaßtoleranz general tolerance		Name/Name moreiras A.Woehrl	Datum/Date 01.04.2009	Benennung Errichtungszeichnung: FM/CSA VEGAMET391.CX***					Description Control Drawing: FM/CSA VEGAMET391.CX***	
Werkstoff / Material		VEGA			Art.Nr. / Art.No.	GE2564		And-Zust. / Rev.			
		VEGA Grieshaber KG Postfach 1422 77757 Schillach Germany			Zchngs.-Nr. / Drawing No.	GE2564					
		Maßstab Scale 1:1			Var.Fam.2:						
		Originalformat size of origin A3			Teil ähnl. / sim. part		Ersatz f./replacement f.				
		Blatt / Sheet von / of 1 of -			Arb.Anw. / work.instr.		Alle Maße in mm I				

42145-EN-120330



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