



Member of the FM Global Group

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:

Model a-bc-d. Load Cell Summing Junctions.

IS / I / 1 / ABCD / T4 Ta = 60 °C ; - 1500-B-01 Entity; Indoor
IS / I / 1 / CD / T4 Ta = 60 °C ; - 1500-B-01 System; Indoor
I / 0 / AEx ia IIC / T4 Ta = 60 °C ; - 1500-B-01 Entity; Indoor
I / 0 / AEx ia IIB / T4 Ta = 60 °C ; - 1500-B-01 System; Indoor

a = Enclosure: FP, SS
b = Type: 10, 30, 34, 40, 45, 65, 85
c = Trim: AS, AE
d = Suppression: None, SP

Entity parameters: Ui = 30 V, Ii = 100 mA, Ci = 0, Li = 0, Pi = 0,75W

Special Condition of Use:

- 1. Potential Electrostatic Charging Hazard for enclosures constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned only with a damp cloth.

Intrinsically Safe Load Cell.

Table with 7 columns of model numbers: CG-22, CG-93, CG-STR SSW, CG-BLF, CG-SMB6, CG-MK4, CG59M, CG-1, CG-BE40 **, CGSB, CG-F1, CG-SMB62, CG-PWA **, CG82M, CG-1211, CG-BE40 SSW, CGSB SS, CG-LC22 **, CG-TB2, CG-PWS, CGRTM, CG-3, CG-16, CGSB SSW, CG-MK15 **, CG-1010, CG-JRT, CG-ITCM, CG-94, CG-16 SSW, CG23M, CG-SB2L, CG-1130, CG-1210, CG94M, CG-26S **, CG-5103, CG-23-1, CG-SB2M, CG-1510, CG-21, CG-SP9M, CG-26S1 **, CG-5103 SSW, CG-23 LP **, CG-SB3 **, CG-40 **, CG-31, CG412M, CG-26S2 **, CG-5223 **, CG-23 SS **, CG-SB3-1, CG-40 SS, CG-33, CG-ML600-LP, CG-26S3, CG-58, CG-23-SS-1, CG-SB4, CG-42 **, CG-TC42, CG-80210 **, CG-26S3-10, CG-58 SSW, CG-23 SSW-XX **, CG-SBF, CG-50 **, CG-TC43, CG-50-2, CG-26S4 **, CG-BLC-2 **, CG-60030, CG-SSB **, CG-50-1 **, CG-62, CG-PB, CG-26S5, CG-DB50000S, CG-60040, CG-SSB-10, CG-51, CG-63, CG-WBM, CG-26S6 **, CG-Lodec, CG-743 **, CG-WB-SS **, CG-60048, CG03M, CG-TWM



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CG-175	CG-SLS	CG-745 **	CG-WBL **	CG-FB	CG16M	CG-MK5
CG-CP22	CG-STR **	CG-BBS	CG-WB-SSW **	CG-FLS **	CG-TWA	CG-1240
CG-26S5A	CG-STR1 **	CG-BLC-C	CG-Z6	CG-HPS	CG-TSA	CG-SB2
CG-92	CG-STR1 SSW	CG-BLC-T	CG-SB250 **	CG-MK21	CG-23 **	

IS / I,II,III / 1 / ABCDEFG / T4 Ta = 60 °C ; - 1500-B-01 Entity;
IS / I,II,III / 1 / CDEFG / T4 Ta = 60 °C ; - 1500-B-01 System;
I / 0 / AEx ia IIC / T4 Ta = 60 °C; - 1500-B-01 Entity;
I / 0 / AEx ia IIB / T4 Ta = 60 °C; - 1500-B-01 System;

Entity parameters: Ui = 30 V, Ii = 100 mA, Ci = 0, Li = 0, Pi = 0.75 W

Equipment Ratings:

The **Load Cell Summing Junctions** are Intrinsically Safe for Class I, Division 1, Groups A-D; and intrinsically safe for Class I, Zone 0, Group IIC when installed using entity parameters and Intrinsically Safe for Class I, Division 1, Groups C and D; and intrinsically safe for Class I, Zone 0, Group IIB. when using the system configuration defined in control drawing 1500-B-01

The **Load Cells** are Intrinsically Safe for Class I, II, and III, Division 1, Groups A-G; and intrinsically safe for Class I, Zone 0, Group IIC. when installed using entity parameters and Intrinsically Safe for Class I, II, and III, Division 1, Groups C-G; and intrinsically safe for Class I, Zone 0, Group IIB. when using the system configuration defined in control drawing 1500-B-01

FM Approved for:

Coti Global Sensors Mfg. Inc
Harvest, AL



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: 3026213

Approval Granted: January 15, 2007

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3029958	June 25, 2008		
071010	July 3, 2008		
071013	August 22, 2008		
090204	May 29, 2009		
090825	November 12, 2009		
3040476	March 3, 2011		

FM Approvals LLC



J. E. Marquedant
Group Manager, Electrical

3 March 2011

Date



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PER CANADIAN REQUIREMENTS

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CAN/CSA-E60079-0	2002
CAN/CSA-E79-11	1995
C22.2 NO.157-92	1992
C22.2 No.142	1987

Original Project ID: 3026213C

Approval Granted: January 15, 2007

Subsequent Revision Reports / Date Approval Amended

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