



cCSAus certificate:

EN

1560547


for

CV 213 and CV 214



Meggitt SA
Route de Moncor 4
PO Box 1616
CH - 1701 Fribourg
Switzerland

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Certificate: 1560547 **Master Contract:** 175074
Project: 70001213 **Date Issued:** March 17, 2014


Ambient temperatures are as follows:
 - Type 110-213-000-YYY
 -29°C to + 204°C
 - Type 110-214-000-YYY
 -29°C to + 121°C

Temperature code:
 T2 for T_B ≤ +204 °C
 T3 for T_B ≤ +185 °C
 T4 for T_B ≤ +125 °C
 T5 for T_B ≤ +90 °C
 T6 for T_B ≤ +75 °C

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
 CSA Std. C22.2 No. 157-92 (R. 2006) - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
 UL 61010-1, 1st Ed.
 UL 913, Ed 7th (2006)
 Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations


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Certificate of Compliance

Certificate: 1560547 **Master Contract:** 175074
Project: 70001213 **Date Issued:** March 17, 2014
Issued to: Meggitt SA
 Rte de Moncor 4
 Villars-sur-Glane, 1752
 Switzerland
 Attention: Mr. Carlo Pellegrinelli

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: T. Munteanu, P.Eng.

PRODUCTS
CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
CLASS I, Division 1, Groups A, B, C and D
Acceleration transducer Type 110-21X-000-YYY
 Intrinsically safe with entity parameters when connected per drawing PZ6711, Rev. I.

The ratings of the sensors are as follows:
 V_{max} ≤ 30 Vdc, I_{max} ≤ 11.8 mA, P_i ≤ 88 mW
 C_i = 0 mF
 L_i = 125 mH

Temperature code:

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Supplement to Certificate of Compliance

Certificate: 1560547

Master Contract: 175074

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
70001213	Mar 17, 2014	Covers report 1560547 update for alternate construction of Accelerometer type 110-21X-000-YYY.
2413877	Apr 8, 2011	Update of Report 1560547 to include change of legal entity name
History		
1645-451 drawing	February 25, 2005	Update Report 1560547 to include additional warning and change to control
1560547 YYY	June 25, 2004	Original cCSAus Certification for acceleration transducer Type 110-21X-000-

ATTENTION
 - Ce produit ne peut pas être modifié ou réparé
 CONDITIONS SPECIALES POUR UNE UTILISATION SURE
 - Lors de l'installation, le boîtier de l'équipement doit être connecté au GND de l'appareil associé ou être isolé de la surface sur laquelle il est monté.

Environmental conditions

- Pollution degree;
- Installation category;
- Altitude;
- Humidity;
- Electrical supply voltage fluctuation; (voltage generator)
- Outdoor use statement;
- Temperature;
- Warning: This product may neither be modified or repaired. Coordinates to obtain Technical assistance provided. Vibro-Meter SA, P.O. Box 1071, 1701 Fribourg, Switzerland, phone +41 26 407 11 11

For cCSAus certification

-The product is intended to be used with a CSA/CSAus certified power source or galvanic separation (with classified limited circuit output according to annex F.2.1 of the subject standard)

SPECIAL CONDITIONS FOR SAFE USE

On installation, the enclosure of the equipment shall be connected to the ground of the associated I.S. apparatus or to be isolated from the surface on which it is mounted.

For ATEX certification

-To ensure an installation conform with an explosive environment, it is crucial to respect the criteria mentioned into the EC type examination certificate KEMA 04 ATEX 1178 X

Notes:

1. Ex is defined as Intrinsicly safe.
2. Install Associated Apparatus in accordance with manufacturers instructions.

Output voltage sensitivity : 20mV/mm/s

$L_{coil} < 125\mu H$ at 25°C
 $R_{coil} = 1187\Omega$ at 13250ohm at 25°C 12500ohm typical
 $R_{adj} = 10000\Omega$ to 20000ohm

Velocity transducer
 110-21X-000-YYY

DWG. N° PZ 6711

6										
5										
4										
3										
2										
1	18.02.05	epel	Added SPECIAL CONDITION FOR SAFE USE due to modification of dielectric behaviour							
Rev.	Date	Drawn	Appr.	Repl. by :	FSOM N°	vibro-meter		Scale	Drawn	Checked
				Repl. for :	S 3960	SWITZERLAND		%	25.11.03	epel
Tolerances: ±		mm to 50 mm; ±		mm over 50 mm					24.12.03	lper
Material:										
Finish:										

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