



# Certificate of Compliance

**Certificate:** 2132558

**Master Contract:** 157759

**Project:** 2618090

**Date Issued:** May 23, 2013

**Issued to:** Turck Inc.

3000 Campus Dr  
Plymouth, MN 55441-2656  
USA  
Attention: Brad Larson

*The products listed below are eligible to bear the CSA Mark shown*



*Gary Benden*

**Issued by:** Gary Benden

## **PRODUCTS**

**CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

**Class I, Division 2, Groups A, B, C and D; T4**      **Ta = -25°C to 70°C**

Series IM1 Isolator Barriers: Models IM1-12Ex-R, IM1-12Ex-T, IM1-12Ex-MT, IM1-121Ex-R, IM1-121Ex-T, IM1-22Ex-R, IM1-22Ex-T, IM1-22Ex-MT, IM12-22Ex-R and IM1-451Ex-T with rated input of 20-125 Vdc, 3 watts max. / 20-250 Vac 60 mA max. Model IM1-451Ex-R with rated input of 20-125 Vdc, 3 watts max. / 20-250 Vac 125 mA max.

With associated intrinsically safe circuits having the following entities:



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Model	Terminals	Voc (V)	Isc (mA)	Po (mW)	Ca (uF) AB/CE/DFG	La (mH) AB/CE/DFG
IM1-12Ex-R	1-4	9.6	11	27	3.6/26.0/210	250/922/1H
IM1-121Ex-T						
IM1-22Ex-MT						
IM1-121Ex-R						
IM1-121-Ex-T						
IM1-22Ex-R	1-4, 2-5	9.6	11	27	3.6/26.0/210	250/922/1H
IM1-22Ex-T						
IM1-22Ex-MT						
IM12-22Ex-R						
IM1-22Ex-R	1-2-4-5	9.6	22	54	3.6/26.0/210	67/246/579
IM1-22Ex-T						
IM1-22Ex-MT						
IM12-22Ex-R						
IM1-451Ex-R	1-2, 4-5, 6-7, 9-10	11.5	12.8	37	1.6/11.2/46.0	222/781/1H
IM1-451Ex-T						
IM1-451Ex-R	1-2, 4-5, 6-7, 9-10	11.5	51	147	1.6/11.2/46.0	12.5/49.0/108
IM1-451Ex-T						

Notes:

- Devices must be installed according to manufacturer's drawing IS-1.201.
- These devices are OPEN type equipment that must be used within a suitable end-use system enclosure, the interior of which is accessible only through the use of a tool. The suitability of the enclosure is subject to investigation by the local Authority Having Jurisdiction at the time of installation.



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Notes:

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91	General Requirements – Canadian Electrical Code, Part II
C22.2 No. 142-M1987	Process Control Equipment
CAN/CSA-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