



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX ExTC 22.0006X** Page 1 of 4 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2022-04-27

Applicant: **Eaton Electrical (Australia) Pty Ltd**  
10 Kent Road  
Mascot NSW 2020  
Australia

Equipment: **Loop powered 4-20mA indicator MT663-M, MTL663B-M**

Optional accessory:

Type of Protection: **Intrinsic safety 'i'**

Marking: **Ex ia I Ma**  
**-30°C ≤ Tamb ≤ +70°C**

Approved for issue on behalf of the IECEx  
Certification Body:

**James Bes**

Position:

**Certification Authority**

Signature:  
(for printed version)

Date:  
(for printed version)

2022-04-27

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

**Ex Testing and Certification Pty Ltd**  
1/30 Kennington Drive  
Tomago NSW 2322  
Australia



TESTING & CERTIFICATION



# IECEX Certificate of Conformity

Certificate No.: **IECEX ExTC 22.0006X**

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Date of issue: 2022-04-27

Issue No: 0

Manufacturer: **Eaton Electrical (Australia) Pty Ltd**  
10 Kent Road  
Mascot NSW 2020  
**Australia**

Manufacturing locations: **Eaton Electrical (Australia) Pty Ltd**  
10 Kent Road  
Mascot NSW 2020  
**Australia**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[AU/ExTC/ExTR22.0016/00](#)

Quality Assessment Report:

[AU/TSA/QAR06.0020/13](#)



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Date of issue: 2022-04-27

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The 4 ... 20 mA Loop Powered Indicator Model MTL...-M (see Annex) is a complete 'field' enclosure that is connected in series in an intrinsically safe circuit. The input circuit of the indicator is designed such that it does not influence the intrinsically safe circuit to which it is connected.

The indicator may optionally be provided with a backlight, indicated by including a suffix 'B' after the model number.

The material of the enclosure of the indicator is GRP (plastic). The MTL663 'field enclosure' has a front cover and back cover screwed together, with a silicon gasket inserted into a gutter around the edge of the front cover providing a degree of protection of at IP65 / IP67 in accordance with IEC 60529.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

See Annex for details



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**Additional information:**

Job 22018

**Annex:**

[Certificate Annex IECEx\\_ExTC\\_22.0006\\_000 Final.pdf](#)

# IECEX Certificate of Conformity



## Annexe



Annexe for Certificate No.:

IECEX ExTC 22.0006X

Issue No.:

0

### Description:

See section "Equipment" in the main part of this certificate.

### Specific Conditions of Use pertaining to Issue 0 of this Certificate:

- a) The following parameters shall be taken into account during interconnection in a system:

Power / Signal Input	Terminals 4 and 5
U <sub>i</sub>	30V
I <sub>i</sub>	200mA
P <sub>i</sub>	1.2W
C <sub>i</sub>	0nF
L <sub>i</sub>	0mH

Backlight Supply (when used)	Terminals 9 and 10
U <sub>i</sub>	28V
I <sub>i</sub>	200mA
P <sub>i</sub> (resistively limited);	0.96W
C <sub>i</sub>	0nF
L <sub>i</sub>	0mH

- b) Possible electrostatic hazard – Clean only with a moist cloth – Do not rub.

# IECEX Certificate of Conformity



## Annexe



Annexe for Certificate No.:

IECEX ExTC 22.0006X

Issue No.:

0

### Drawing list pertaining to Issue 0 of this Certificate:

Manufacturer's Documents				
Title:	Drawing No.:	Pages	Rev. Level:	Date:
F400-Series Conformity report	CRF400	Pages 1 to 30	2.2	2021-09-30
F-Series Housing Conformity report	CRFHousing	Pages 31 to 141	1.5	2021-09-08
Instruction manual MTL663-M IS, Loop-Powered Indicator	INM 663-M	14	1	2022-04