



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx DNV 25.0154U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-03-19

Applicant: **METALMECH ENGINEERING**
Plot No. 4246, GIDC, Dared,
Phase - III, Road No. E,
Jamnagar, Gujarat 361 004
India

Ex Component: Ex Empty Enclosure

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Ex e Ex t**

Marking: Ex eb IIC Gb

Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **METALMECH ENGINEERING**
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Phase - III, Road No. E,
Jamnagar, Gujarat 361 004
India

Manufacturing
locations: **METALMECH ENGINEERING**
Plot No. 4246, GIDC, Dared,
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India

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 component 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 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

NO/DNV/ExTR25.0146/00

Quality Assessment Report:

NO/PRE/QAR20.0014/05



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Ex Component(s) covered by this certificate is described below:

Ex Empty Enclosure, type: MM EE Series is a range of Ex component enclosures that are manufactured in painted mild steel or stainless steel SS304/304L/SS316/SS316L. The enclosures consist of a main body, a hinged lid and four wall mounting brackets. The cover is fastened to the body with cam locks or bolts. Enclosure can be provided with maximum four gland plates, one on each of the walls of the enclosure. The enclosures provide an ingress protection rating of IP66 in accordance with IEC 60529. The gaskets utilized between the hinged lid and main body and between main body and gland plate are manufactured from silicon. All enclosures have an internal and external earth facility.

SCHEDULE OF LIMITATIONS:

1. The service temperature range -50 °C to +140 °C shall not be exceeded for gaskets installed between the hinged lid and main body and between main body and gland plate.
2. Earthing facility is suitable for maximum conductor size of 16 mm² for M6, 70 mm² for M8 and 240 mm² for M10. Hence phase conductor size shall be limited to up to 35 mm², 140 mm² and 480 mm² respectively.
3. Enclosures made from mild steel with external epoxy paint, when assessed as an Ex equipment shall be marked as per the requirements of clause 7.4.2 e) and 7.4.3 e) (as applicable) and relevant instruction provided.
4. Enclosures have been assessed for fixed installation only.
5. All unused entry openings must be fitted with a suitable cable entry device of protection types Ex "eb" and Ex "tb" and must have a minimum IP66 rating.
6. Installation of electrical components inside the empty enclosures requires a further assessment by an ExCB. Creepage and Clearance distances shall comply with the requirements of IEC 60079-7.

Annex:

[Annex to certificate IECEx DNV 25.0154U Issue 0_1.pdf](#)

Annex to certificate: IECEx DNV 25.0154U Issue 0

Model Designation:

MM	EE	N	XX	YYY	HHH	WWW	DDD
Metal Mech product	Empty Enclosure	Gland plates 0: Without gland plate 1: With gland plate	Material grade 1 = Mild steel (ASTM-A653 GR. CRCA) 2 = SS 304 (ASTM A 351-2006 GR. CF8) 3= SS304L (SS 304 (ASTM A 351-2006 GR. CF8) 4 = SS 316 (ASTM-A 743-2006 GR. CF8M) 5 = SS 316L (ASTM A 743-2006 GR. CF3M)	Fastening mechanism L: Quarter turn Lock S: Locking screws	Height 150 mm to 800 mm	Width 150 mm to 600 mm	Depth 100 mm to 250 mm

The enclosures are available in the following sizes:

Sr.No.	Model	Height mm	Width mm	Depth mm
1	MM EE XX YYY 150150100	150	150	100
2	MM EE XX YYY 200200120	200	200	120
3	MM EE XX YYY 200300120	200	300	120
4	MM EE XX YYY 250250140	250	250	140
5	MM EE XX YYY 300300120	300	300	120
6	MM EE XX YYY 300350140	300	350	140
7	MM EE XX YYY 380380160	380	380	160
8	MM EE XX YYY 400400160	400	400	160
9	MM EE XX YYY 500400160	500	400	160
10	MM EE XX YYY 500500200	500	500	200
11	MM EE XX YYY 600500210	600	500	210
12	MM EE XX YYY 600600210	600	600	210
13	MM EE XX YYY 650650210	650	650	210
14	MM EE XX YYY 800600250	800	600	250

Note: The enclosure may also be manufactured to sizes not specified in the table provided that any given dimension is not larger than the respective dimension of the largest enclosure or smaller than the respective dimension of the smallest enclosure

Degrees of protection (IP Code)

IP 66

Ambient temperature:

-50 °C to +140 °C