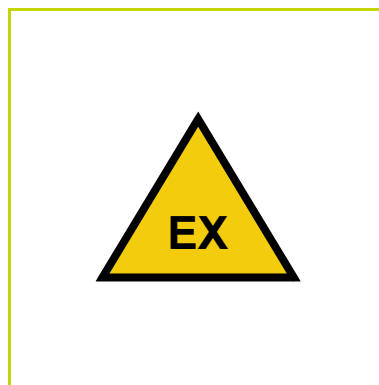


EX CERTIFICATE – IECEx

vibro-meter®


IECEx LCIE 13.0026X
for
GSI127 galvanic separation unit



Note: Although the Ex certificate may be included in more than one language, the liability of the notified body applies only on the text of the original copy of the certificate that it published.

Document reference IECEx LCIE 13.0026X
Edition 2 – December 2023

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IECEX Certificate of Conformity

Page 2 of 4
Issue No: 2

Certificate No.: IECEX LCIE 13.0026X
Date of Issue: 2023-11-20

Manufacturer: MEGGITT SA
Route de Moncor 4
1752 VILLARS SUR GLANE
Switzerland

Manufacturing locations: MEGGITT SA
Route de Moncor 4
1752 VILLARS SUR GLANE
Switzerland

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 Edition:7.0 Explosive atmospheres - Part 0: Equipment – General requirements
IEC 60079-11:2011 Edition:6.0 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-7:2017 Edition:5.1 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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: FR/LCIE/EXTR23.0046/00
Quality Assessment Report: FR/LC/QAR06.0006/18



IECEX Certificate of Conformity

Page 1 of 4
Issue No: 2

Certificate No.: IECEX LCIE 13.0026X
Status: Current
Date of Issue: 2023-11-20
Applicant: MEGGITT SA
Route de Moncor 4
1752 VILLARS SUR GLANE
Switzerland

Equipment: GSI 127 Interface - Type: 244-127-000-XXX-A2-BYY

Optional accessory:


Type of Protection: Ex ec [Ia]
Marking: Ex ec [Ia] Gaj IIC T4 Gc
(refer to attachment for full marking)

Certificate history:
Issue 1 (2016-11-30)
Issue 0 (2013-05-31)


for rules and details of the IECEx Scheme visit www.ieceex.com

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres



Approved for issue on behalf of the IECEx
Certification Body: Julien Gauthier
Position: Certification Officer



LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES
RCS Nanterre B 498 363 174
33 avenue du Général Leclerc
F - 92266 FONTENAY-AUX-ROSES
2023-11-20

Signature: 
Date: 2023-11-20
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. The status and authenticity of this certificate may be verified by visiting www.ieceex.com or use of this QR Code.
3. The Status and authenticity of this certificate may be verified by visiting www.ieceex.com or use of this QR Code.

Certificate issued by:
Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France



**IECEx Certificate
of Conformity**

Page 4 of 4
Issue No: 2


Certificate No.: **IECEX LCIE 13.0026X**

Date of issue: 2023-11-20

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 2:

- Normative update according to IEC 60079-0 Ed. 7.0 and IEC 60079-7 Ed. 5.1.
- Addition of 0.5V/mA (4-20mA) sensitivity.
- Solves components obsolescence.

Annex:
[Annex 01 to Certificate IECEx LCIE 13.0026X issue 2.pdf](#)



**IECEx Certificate
of Conformity**

Page 3 of 4
Issue No: 2

Certificate No.: **IECEX LCIE 13.0026X**

Date of issue: 2023-11-20

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:
The GSI 127 interface provides galvanic insulation between power supply circuit or signal treatment circuit (Ex ec) and a sensor or a conditioner (Ex ia).
The equipment consists of electronic board and screwed terminals mounted in a plastic enclosure. Conformal coating is applied on both sides of the electronic board.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- a) The equipment shall only be connected to associated intrinsically safe certified equipment or simple apparatus. This combination must be compatible as regard the intrinsic safety rules.
- b) The apparatus shall be installed in an enclosure conform to the requirements of standard IEC 60079-0 and with ingress protection of at least IP54.
- c) The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- d) Operating ambient temperature: -40°C to +70°C.



Annex 01 to Certificate
IECEX LCIE 13.0026X issue 2



RANGE DETAILS

244-127-000-XXX-A2-BYY
 XXX defines the version of the product (X = 0 to 9).
 YY defines the transfer mode (YY = 01 to 19 or 20 to 39).

RATINGS

Power supply: $U \leq 30 \text{ V}$, $I \leq 150 \text{ mA}$
 Sensor or conditioner:
 - For 244-127-000-XXX-A2-B01 to B19: U_o : 25.2 V; I_o : 39 mA; P_o : 0.246 W; C_o : 97 nF; L_o : 23 mH
 - For 244-127-000-XXX-A2-B20 to B39: U_o : 25.2 V; I_o : 27 mA; P_o : 0.171 W; C_o : 98 nF; L_o : 48 mH

FULL CONDITIONS OF CERTIFICATION

- a) The equipment shall only be connected to associated intrinsically safe certified equipment or simple apparatus. This combination must be compatible as regard the intrinsic safety rules.
- b) The apparatus shall be installed in an enclosure conform to the requirements of standard IEC 60079-0 and with ingress protection at least IP54.
- c) The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- d) Operating ambient temperature: -40°C to $+70^\circ\text{C}$.

ROUTINE TESTS

Each transformer T1 shall be submitted to dielectric strength test under test voltage of 1500 V; 50/60 Hz applied between the primary winding and the secondary windings during at least 60 s in accordance with clause 11.2 of IEC 60079-11:2011 Ed. 6 standard.

APPARATUS OVERVIEW



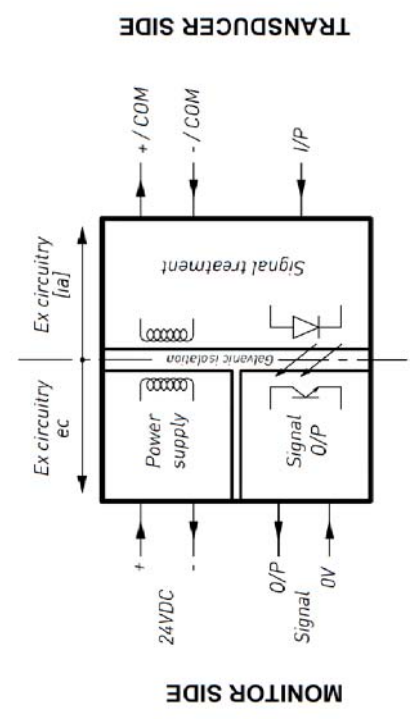


Annex 01 to Certificate
IECEX LCIE 13.0026X issue 2



FULL EQUIPMENT DESCRIPTION

The GSI 127 interface provides galvanic insulation between power supply circuit or signal treatment circuit (Ex ec) and a sensor or a conditioner (Ex ia).
 The equipment consists of electronic board and screwed terminals mounted in a plastic enclosure. Conformal coating is applied on both sides of the electronic board.
 When installed inside hazardous area, the equipment shall be installed in an enclosure conform to the requirements of standard IEC 60079-0 and with ingress protection of at least IP54.



MARKING

MEGGITT SA or VIBRO-METER or MFR 33960
 Address: ...
 Type : 244-127-000-XXX-A2-BYY ⁽¹⁾
 Serial number: ...
 Year of construction: ...
 Ex ec [ia Ga] IIC T4 Gc
 IECEx LCIE 13.0026X
 Power supply: $U \leq 30 \text{ V}$, $I \leq 150 \text{ mA}$
 Sensor or conditioner:

For 244-127-000-XXX-A2-B01 to B19:
 U_o : 25.2 V; I_o : 39 mA; P_o : 0.246 W; C_o : 97.73 nF; L_o : 23 mH

For 244-127-000-XXX-A2-B020 to B39:
 U_o : 25.2 V; I_o : 27 mA; P_o : 0.171 W; C_o : 98.3 nF; L_o : 48 mH

⁽¹⁾ Completed as per the type.

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