



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

Certificate No.: **IECEX UL 23.0047X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-10-30

Applicant: **Golden Mountain Enterprise Co., Ltd**
No.9 Lane 133
Xing-Hua St.
Chien-Chen Dist Kaohsiung 806
Taiwan

Equipment: **Pressure Switch, Model *PS**00X**

Optional accessory:

Type of Protection: **Flameproof "db", Dust Ignition Protection by Enclosure "tb"**

Marking: Ex db IIC T6...T5 Gb
T6 (-20°C ≤ Ta ≤ +55°C)
T5 (-20°C ≤ Ta ≤ +60°C)
Ex tb IIIC T80°C...T88°C Db
T80°C (-20°C ≤ Ta ≤ +55°C)
T88°C (-20°C ≤ Ta ≤ +60°C)

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

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:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Golden Mountain Enterprise Co., Ltd**
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Xing-Hua St.
Chien-Chen Dist Kaohsiung 806
Taiwan

Manufacturing locations: **Golden Mountain Enterprise Co., Ltd**
No.9 Lane 133
Xing-Hua St.
Chien-Chen Dist Kaohsiung 806
Taiwan

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

[US/UL/ExTR23.0055/00](#)

Quality Assessment Report:

[US/UL/QAR20.0006/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The devices are pressure, differential pressure, and vacuum switches and designed to be used in process control system. A snap switch mechanism, a flameproof and dust-ignition-proof housing, and an operating rod are utilized to sense the pressure. The pressure sensing range is adjustable to fulfill different applications.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The flameproof joints are not intended to be repaired.
- Limit process temperature in the pipe to 180°C.
- To minimize the risk of electrostatic charging, clean only with a damp cloth.

Annex:

[Annex to IECEx UL 23.0047X Issue 0.pdf](#)



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Annex to Certificate No.:

IECEX UL 23.0047X

Issue No.: 0

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TYPE DESIGNATION

NOMENCLATURE:

PS2000X	04R	_A_	_1_	_E_	_2_	C
I	II	III	IV	V	VI	VII

I – Model designation: PS1000X, PS2000X, PS2100X, PS2200X, PSA2000X, PSA2100X, PSA2200X, DPS2100X, DPS2200X

II- Pressure range: 1R, 04R, 10R, 20R, 30R, 40R, 60R, 130R, 240R, 400R, A, B (different models have different adjustable ranges)

III – Wetted parts material: A: SS316/316L, B: CF3M/CF8M, C: HC276, D: Monel 400

IV – Process connection (Not critical to the protection method):

For PS1000X/PS2000X/PS2100X/PSA2000X/PSA2100X/DPS2100X/DPS2200X

(1) = 1/2" NPT(F), (2) = 1/4" NPT(F), (3) = 1/2" BSP(F), (4) = 1/4" BSP(F),

(5) 1/2" PT(F), (6) = 1/4" PT(F), (7) M20x1.5(F).

For PS2200X

(1) = 1/2" NPT (M), (2) = 1/4" NPT (M), (3) = 1/2" BSP(M), (4) = 1/4" BSP(M), (5) 1/2" PT(M),

(6) = 1/4" PT(M), (7) M20x1.5 (M).

For PSA2200X

(1) = 1/2" NPT (M), (2) = 1/4" NPT (M), (3) = 1/2" BSP(M), (4) = 1/4" BSP(M), (5) 1/2" PT(M),

(6) = 1/4" PT(M), (7) M20x1.5 (M), (8) = male G1(1"BSP), (9) = 1/2" NPT (F), (10) = 1/4" NPT(F),

(11) = 1/2" BSP(F), (12) 1/4" BSP(F), (13) = 1/2" PT(F), (14) = 1/4" PT(F), (15) = M20x1.5 (F).

(Connected to the measured equipment or tube system)

V – Entry connection: (E) = 3/4" NPT female, (F) = 1/2" NPT female

VI - Switch form: (1) = one SPDT, (2) = two SPDT, (3a) = one Gold SPDT, (3b) two Gold SPDT, (4a) = one Hermetically SPDT, (4b) two Hermetically SPDT

VII – Explosion Type: (C) IECEx & ATEX

Annex to Certificate No.:

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PARAMETERS RELATING TO THE SAFETY

Model	Switch output rating
PS1000X	Max. 250VAC 15A, 30VDC 3A
PS2000X	Max. 250VAC 15A, 30VDC 3A
PS2100X	Max. 250VAC 15A, 30VDC 3A
PS2200X	Max. 250VAC 15A, 30VDC 3A
PSA2000X	Max. 250VAC 20A, 125VDC 5A
PSA2100X	Max. 250VAC 20A, 125VDC 5A
PSA2200X	Max. 250VAC 20A, 125VDC 5A
DPS2100X	Max. 250VAC 15A, 30VDC 3A
DPS2200X	Max. 250VAC 15A, 30VDC 3A

MARKING

Marking has to be readable and indelible; it has to include the following indications:

