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 NEP 20.0030X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2021-06-21

Applicant: **Matsushima Measure Tech Co., Ltd.**
1-8-18 Norimatsu-higashi, Yahatanish-ku,
Kitakyushu, Fukuoka,
Japan

Equipment: **Dust ignition proof switch Model ELADP-8 series**

Optional accessory:

Type of Protection: **Ex tb**

Marking: Ex tb IIIC T85°C Db

Ta: -20°C~+60°C

Approved for issue on behalf of the IECEx Certification Body: **Xu Jianping**

Position: **Managing Director**

Signature: (for printed version)

Date: 21 June 2021

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:

Shanghai Inspection and Testing Institute of Instruments and Automatic Systems Co., Ltd. (SITIIAS)/
National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI)
103 Cao Bao Road
Shanghai 200233
China

Ex NEPSI

SITIIAS Worldwide Access

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Certificate No.: **IECEx NEP 20.0030X**

Date of issue: 2021-06-21

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Manufacturer: **Shanghai Dahong Matsushima Machinery Co., Ltd.**
70 Hengcang Road, Dahongcun, Maluzhen, Jiadingqu,
Shanghai 201818
China

Additional manufacturing locations:

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 60079-31:2013 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:

CN/NEP/ExTR20.0037/00

Quality Assessment Report:

CN/NEP/QAR21.0005/00

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The dust ignition proof switch can be divided into two types: Belt Sway Switch and Pull Cord Switch.

Belt Sway Switch is a protective switch for detecting the meandering (sway or deviation) of conveyor belt and sends out an alarm signal and an emergency stop signal. Suited to be used for belt breakage prevention and ore falling prevention due to the belt sway.

Pull Cord Switch is an emergency switch to stop the belt conveyor instantly when an accident happens. Since the Pull Cord Switch is so designed that it should be installed at the side of belt conveyor and the pull cord should be mounted along conveyor, the switch can be actuated at any position.

The product has an ingress protection of IP68 (1.5m, 3h).

Type designation is shown as follows:

ELADP - 8①②③④⑤
① Product Identification
0: Dust ignition proof of ELAP-20
1: Dust ignition proof of Roller extended type ELAP-20
2: Dust ignition proof of ELAW-21
3: Dust ignition proof of ELAW-31
6: Dust ignition proof of ELAW-61P
② Lead outlet
1: Lead outlet = 1 pc.
2: Lead outlet = 2 pcs.

③ Operating torque
1: Standard
2: Special
④ Microswitch
1: AC (Standard)
2: DC
3: Weak current
4: Moisture proof
6: DC x 1 contact
⑤ Sales channel identification
Blank: Matsushima Measure Tech, Shanghai Dahong Matsushima Machinary)
W: Not related to explosion-proof performance

Electrical data:

For model ELADP-8***1* and ELADP-8***4*:
AC250V-15A, AC125V-15A, DC125V-0.5A
For model ELADP-8***2* and ELADP-8***6*:
DC250V-3A, DC125V-10A
For model ELADP-8***3*:
DC30V-0.1A

SPECIFIC CONDITIONS OF USE: YES as shown below:
1. The earth connection facility shall be connected reliably.
2. Do not allow dust layers to build up on this product.
3. The dust ignition proof switch shall be installed to avoid a risk from propagating brush discharges for application in explosive dust atmosphere.