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 EPIL 25.0005X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2025-10-05		
Applicant:	**Dayheem Electric Industry Co.** No. 402, East Imam Khomeini St., Ghassem Abad Rd., Khavaran Rd., Tehran, Iran Tehran **Iran, Islamic Republic of**		
Equipment:	**Flameproof electrical enclosures**		
Optional accessory:			
Type of Protection:	**Equipment protection by flameproof enclosures "d"**		
Marking:	Ex db IIB+H2 T6...T4 Gb		

Approved for issue on behalf of the IECEx Certification Body: **Seyed Mohsen Mirsadri**

Position: **CEO and Certification Body 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:

EPIL Testing, Inspection and Certification
Unit 12, No. 2, Boujari Sefat Dead-End, Corner of Fariman St.,
Bozorgmehr St., Vali-Asr Ave.,
Tehran 1416854523
Iran, Islamic Republic of

Energy & Power Industries Laboratories Co. (J.S.)

IECEx Certificate of Conformity

Certificate No.: **IECEx EPIL 25.0005X** Page 2 of 3

Date of issue: 2025-10-05 Issue No: 0

Manufacturer: **Dayheem Electric Industry Co.**
No. 402, East Imam Khomeini St., Ghassem Abad Rd., Khavaran Rd., Tehran, Iran
Tehran
Iran, Islamic Republic of

Manufacturing locations: **Dayheem Electric Industry Co.**
No. 402, East Imam Khomeini St.,
Ghassem Abad Rd., Khavaran Rd.,
Tehran, Iran
Tehran
Iran, Islamic Republic of

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

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:

IR/EPIL/ExTR25.0005/00

Quality Assessment Report:

IR/EPIL/QAR25.0005/00

IECEx Certificate of Conformity

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

The EJB series are used as Switchgear, Control Panel and Junction box. The Ex d protection type allows installation of arcing and sparking electrical components inside of enclosure. These built-in components are standard electrical and switching devices, being designed and wired according to customer specifications.
This product can be used with the components on lid cover specified in this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:
Electrostatic charging hazard shall be avoided, for example with periodical maintenance and cleaning with a damp cloth. In order to prevent the risk of electrostatic charge, the equipment shall only be cleaned with damp, non-fibrous (cotton) cloth, or sponge.

Cable glands and any blanking elements mounted on the entries of the enclosure shall be certified according to flameproof characteristics of the equipment in sense of type of protection, Gas group, Ambient or service temperature.

Special ambient temperature -20°C up to 55°C.

The flameproof joints are not intended to be repaired.

The equipment is always to be bonded via the suitable external earth connection.

In case of non-conductive paint on equipment enclosures, the thickness of paint is to be less than 0.2 mm for Group IIB+H2.

The enclosure wall shall be drilled according the schedule drawing of the manufacturer.

Installation of cells and batteries is not allowed.

No additional holes other than those made by Manufacturer are permitted.

Breathing/venting fittings installed shall be appropriate, certified with suitable minimum marking: Ex db IIB+H2 Gb; IP66 according to enclosure ingress protection.

The components installed through enclosure lid cover can be only those specified in Manufacturer’s documentation. These Emergency stop button Model EMG 1, Padlockable Emergency stop button Model EMG 1P, Emergency stop push button with Key Model EMG 2, Rotary actuator ROT series, ROT 1 for selector switch, ROT 2 for selector switch with key, ROT 3 for MCB, ROT 4 for MCCB, ROT 5 for MPCB. Signal lamp actuator Model SGL 1, Push button actuator Model PBT 1 have been tested and assessed together with equipment EJB series, according to the manufacturer technical file description and drawings. The whole equipment EJB series, fitted with mentioned components, shall be consequently considered certificated according to standards mentioned in this Certificate.

Use M10 x 1.5 or M6 x 1.5 screw only (According to product model and enclosure size), quality A2-70 as minimum. Screw tightening torque is 30 Nm.

The number of engaged threads for tightening the actuators on lid cover shall be 8 full threads.

Annex:

IECEx EPIL 25.0005X issue No. 0.pdf

Model: EJB series

Models identification

Model	Length (mm)	Width (mm)	Height of Lid (mm)	Height of Body (mm)	Total Height (mm)
EJB 1	266	216	29	120	149
EJB 2	316	246	30	160	190
EJB 3	496	366	33	250	283
EJB 4	666	466	47	250	297
EJB 5	816	566	55	280	335
EJB 6	916	666	65	320	385

EJB series Maximum allowed power dissipation table section:

Model	Maximum allowed power dissipation (W) For Gas application		
	T amb: -20°C ≤ Ta ≤ 55°C		
	T6	T5	T4
EJB 1	30 W	53 W	82 W
EJB 2	56 W	90 W	124 W
EJB 3	94 W	129 W	167 W
EJB 4	135 W	176 W	215 W
EJB 5	160 W	203 W	250 W
EJB 6	190 W	235 W	289 W

List of approved Actuators		
Item	**Model**	**Application**
1	PBT 1	Push button, spring return
2	SGL 1	Signal lamp
3	EMG 1	Emergency stop, turn to release
4	EMG 1P	Emergency stop, turn to release, Padlockable
5	EMG 2	Emergency stop, with key
6	ROT 1	For selector switch
7	ROT 2	For selector switch with key
8	ROT 3	For MCB
9	ROT 4	For MCCB
10	ROT 5	For MPCB

EPIL Testing, Inspection and Certification
Unit 12, No. 2, Boujari Sefat Dead-End, Corner of Fariman St.,
Bozorgmehr St., Vali-Asr Ave.,
Tehran
Iran, Islamic Republic of

Degree of protection (IP code): IP66

Routine test:

The overpressure test with static method shall be performed at 10.5 bar. The period of application of the pressure shall be at least 10 s.

EPIL Testing, Inspection and Certification
Unit 12, No. 2, Boujari Sefat Dead-End, Corner of Fariman St.,
Bozorgmehr St., Vali-Asr Ave.,
Tehran
Iran, Islamic Republic of