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 25.0004X**	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:	**Ex Terminal Box**		
Optional accessory:			
Type of Protection:	**Equipment protection by increased safety “e”**		
Marking:	Ex eb IIC 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.
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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.)

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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 60079-7:2017 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 equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

IR/EPIL/ExTR25.0004/00

Quality Assessment Report:

IR/EPIL/QAR25.0005/00

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

The DJB series range of increased safety enclosures are designed to use as terminal box.

The body and lid are made of die cast aluminum alloy. Each enclosure comprises 4xM6 hex socket head stainless steel A2.70 screw to connect body and lid together. There is a silicon sponge O-ring between body and lid to guarantee degree of protection.

SPECIFIC CONDITIONS OF USE: YES as shown below:
When terminals are supplied with the enclosure they shall be Ex certified components as specified in the scheduled drawings. All terminals shall be installed in accordance with their Conditions of Safe Use/Schedule of Limitations of Certification and the relevant codes of practice/ wiring regulations, specifically to the minimum creepage and clearance requirements and to any limitations to ratings that may be observed due to method of installation.

All terminals fitted shall be suitable for the lower operating temperature marked on the certification label.

The manufacturer shall verify all creepage and clearance distance of Table 2 of IEC 60079-7 in a way that they are rigidly controlled when mounted and housed or wired into the Ex Enclosure of each Ex Components.

The manufacturer shall carry out the necessary thermal verification to ensure that the electrical appliance have been produced considering the power loss and the maximum temperature class limit per each ambient temperature range.

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.

In order to prevent the risk of electrostatic charge, the equipment shall only be cleaned with damp, non-fibrous (cotton) cloth, or sponge.

Annex:

IECEx EPIL 25.0004X issue No. 0.pdf

Model: DJB series

Models identification

Model	Length (mm)	Width (mm)	Height of Lid (mm)	Height of Body (mm)	Total Height (mm)
DJB 00	110	110	15	80	95
DJB 10	160	160	15	80	95
DJB 20	260	160	15	90	105
DJB 25	320	220	15	95	110
DJB 30	370	260	15	100	115

DJB series Maximum allowed power dissipation table section:

DJB series	Maximum allowed power dissipation (W) For Gas application		
	T amb: -20°C ≤ Ta ≤ 55°C		
	T6	T5	T4
DJB 00	5.63 W	6.32 W	6.86 W
DJB 10	7.58 W	9.08 W	9.61 W
DJB 20	9.24 W	11.28 W	11.86 W
DJB 25	12.06 W	15.18 W	15.61 W
DJB 30	14.59 W	15.76 W	16.11 W

Degree of protection (IP code): IP66

Routine test:

When supplied with terminals complete of wiring cables, the terminal boxes have been submitted to the dielectric test in accordance with the clause 7.1 of IEC 60079-7 with the following values: 1000 V + 2 U or 1500 V whichever is greater (U= Working Voltage).The complete cementation or resin procedure for the glass part of the enclosure and driver or battery enclosure as stated in the technical files shall be implemented and checked in all production by manufacturer.

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