



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 25.0001X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2025-06-03

Applicant: **Imen Tajhiz Tabnak Melal Engineering Company (Ltd.)**
Ground Floor, No. 4826, 4th Alley, Sulehaye Banafsh St., Sahand Industrial State, Islamshahr City, Central District,
Islamshahr County, Tehran Province, Iran
Tehran
Iran, Islamic Republic of

Equipment: **Junction Box**

Optional accessory:

Type of Protection: **flameproof enclosures "d", protection by enclosure "t"**

Marking: Ex db IIC T6...T4 Gb
Ex tb IIIC T85°C...T135°C Db

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.
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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





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Ground Floor, No. 4826, 4th Alley, Sulehaye Banafsh St., Sahand Industrial State, Islamshahr City, Central District,
Islamshahr County, Tehran Province, Iran
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Manufacturing locations: **Imen Tajhiz Tabnak Melal Engineering Company (Ltd.)**
Ground Floor, No. 4826, 4th Alley,
Sulehaye Banafsh St., Sahand
Industrial State, Islamshahr City,
Central District, Islamshahr County,
Tehran Province, Iran
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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 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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/ExTR24.0007/00](#)

Quality Assessment Report:

[IR/EPIL/QAR25.0001/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The DAJC series are used as junction Boxes. This technology allows using sparking and arcing components in hazards area. These built-in components are standard electrical and switching devices, being designed and wired according to customer specifications.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Potential electrostatic charging hazard: clean only with damp cloth.
- 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 -30°C up to 55°C and -30°C up to 65°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 IIC.
- 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. Holes on cover are not permitted.
- Installation of switches, pushbuttons, or others through enclosure walls is not permitted.
- Breathing/venting fittings installed shall be appropriate, certified with suitable minimum marking: Ex db IIC Gb; Ex tb IIIC Db, IP65 or IP66 according to enclosure ingress protection.

Annex:

[IECEx EPIL 25.0001X issue No. 0.pdf](#)

Annex to Certificate: IECEx EPIL 25.0001X issue No. 0
 Applicant: Imen Tajhiz Tabnak Melal
 Engineering Company (Ltd.)
 Apparatus: Junction Box DAJC series



Models Table section:

Models		
DAJC Series	DAJC0909	DAJC2014
	DAJC1209	DAJC3623
	DAJC1510	

DAJC series Maximum allowed power dissipation table section:

Gas and Dust application:

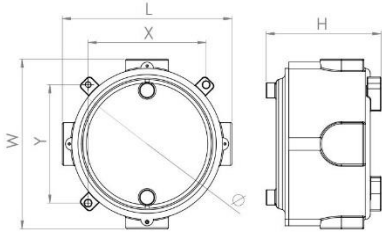
DAJC Series	Maximum allowed power dissipation (W)								
	For Gas/ Dust application								
	T amb: -20°C ≤ Ta ≤ 40°C			T amb: -30°C ≤ Ta ≤ 55°C			T amb: -30°C ≤ Ta ≤ 65°C		
	T6 T85°C	T5 T100°C	T4 T135°C	T6 T85°C	T5 T100°C	T4 T135°C	T6 T85°C	T5 T100°C	T4 T135°C
DAJC0909	21.3 W	29.2 W	51.2 W	15.3 W	25.2 W	47.4 W	11.3 W	18.1 W	27.6 W
DAJC1209	30.9 W	43.6 W	70.8 W	18.7 W	27.6 W	57.7 W	13 W	20.2 W	29.8 W
DAJC1510	38.6 W	53.6 W	84.6 W	21.9 W	29.6 W	69.2 W	14.5 W	22.4 W	31.9 W
DAJC2014	54.2 W	81.2 W	121.8 W	26.3 W	33.3 W	76.1 W	17.2 W	24.6 W	34.4 W
DAJC3623	67.9 W	104.4 W	153.3 W	30.4 W	36.7 W	84.3 W	19.6 W	26.9 W	36.9 W

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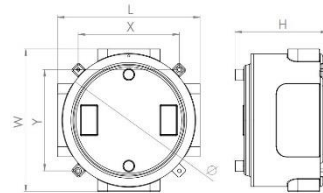


Dimensions table:

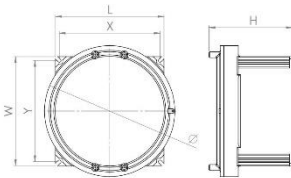
DAJC series Mounting:



DAJC0909/DAJC1209



DAJC1510/DAJC2014



DAJC3623

DAJC Series	Outside Dimensions				Vertical Mounting	
	L(mm)	W(mm)	H(mm)	Φ	X(mm)	Y(mm)
DAJC0909	102	102	95	90	74	74
DAJC1209	132	132	95	120	95	95
DAJC1510	162	162	105	150	119	119
DAJC2014	212	212	142	200	155	155
DAJC3623	300	300	230	360	278	278

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Degree of protection (IP code): IP65, IP66

Routine test:

The manufacturer shall carry out the routine test prescribed at clauses 27 of the IEC 60079-0. 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.