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
Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx EPIL 25.0006U** 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

Ex Component: Cable gland

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **flameproof enclosures "d", increased safety “e”**

Marking: Ex db IIC Gb

Ex eb IIC 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.
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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 component 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 60079-7:2017 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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

IR/EPIL/ExTR25.0007/00

Quality Assessment Report:

IR/EPIL/QAR25.0005/00

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Ex Component(s) covered by this certificate is described below:

The CG-*-*-* series of cable glands are designed to use for every type of round cables including non-armored, armored and lead sheathed cables.

The body material can be either stainless steel (AISI 304/ 316L) or brass.

Rated service temperature range: -30°C to +75°C

SCHEDULE OF LIMITATIONS:

The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.

The coupling of the cable glands to the enclosure and torque values of clamping nut shall be made as indicated by the manufacturer in the documents in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.

The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.

The cable gland installation shall be done in such a way that the temperature at the mounting point will remain within the service temperature ranges declared in this certificate.

If necessary, sealing rings or washers have to be replaced with new ones (original spare parts only).

The cable glands are suitable for -20°C to +55°C ambient temperature range.

Annex:

IECEx EPIL 25.0006U issue No. 0.pdf

Model: CG-*-*-* series

Order code	CG-	*	-	*	-	*
Parameter		a		b		c

Parameter	Description	Parameter designation		
	Product type	CG series		
a	Type of cable	EA: Armoured (SWA, AWA, STA) / Shielded or Braded cables EN: Non armoured cables EL: Lead sheathed cables		
b	Body size of Gland	**Reference**	**Metric size**	**NPT size**
		Os	M16 or M20 x1.5	3/8" 14 NPT
		S	M20x1.5	1/2" 14 NPT
		A	M20x1.5	1/2" 14 NPT
		B	M25x1.5	3/4" 14 NPT
		C	M32x1.5	1" 11 1/2 NPT
		C2	M40x1.5	1 1/4" 11 1/2 NPT
		D	M50x1.5	1 1/2" 11 1/2 NPT
		E	M63x1.5	2" 11 1/2 NPT
		F	M75x1.5	2 1/2" 8 NPT
		G	M90x2	3 1/2" 8 NPT
		J	M100x2	4" 8 NPT
c	Thread size of adaptor	M16x1.5		3/8" 14 NPT
		M20 x1.5		1/2" 14 NPT
		M25x1.5		3/4" 14 NPT
		M32x1.5		1" 11 1/2 NPT
		M40x1.5		1 1/4" 11 1/2 NPT
		M50x1.5		1 1/2" 11 1/2 NPT
		M63x1.5		2" 11 1/2 NPT
		M75x1.5		2 1/2" 8 NPT
		M90x2		3 1/2" 8 NPT
		M100x2		4" 8 NPT

Degree of protection (IP code): IP66

Routine test: None.

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