



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 LCIE 22.0025X**

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Certificate history:

Status: **Current**

Issue No: 1

[Issue 0 \(2022-12-26\)](#)

Date of Issue: 2026-07-07

Applicant: **Parker Hannifin Motion & Control (WuXi) Co., Ltd.**
No. 200 Fu Rong Zhong Si Road
Xi Shan Economic Development Zone
Wuxi 214192, Jiangsu
China

Equipment: **Ex-proof Namur valves - Type: ****D2-*****

Optional accessory:

Type of Protection: **Ex db and Ex tb**

Marking: Ex db IIC T6...T4 Gb

Ex tb IIIC T80°C...T130°C Db

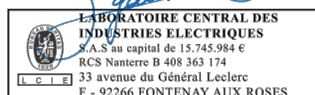
Approved for issue on behalf of the IECEx
Certification Body:

Julien GAUTHIER

Position:

Manager of Certification Operations

Signature:
(for printed version)



Date:
(for printed version)

2026-07-07

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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:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **Parker Hannifin Motion & Control (WuXi) Co., Ltd.**
No. 200 Fu Rong Zhong Si Road
Xi Shan Economic Development Zone
Wuxi 214192, Jiangsu
China

Manufacturing locations: **Parker Hannifin Motion & Control (WuXi) Co., Ltd.**
No. 200 Fu Rong Zhong Si Road
Xi Shan Economic Development Zone
Wuxi 214192, Jiangsu
China

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 60079-31:2013 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 Reports:

FR/LCIE/ExTR22.0089/00

FR/LCIE/ExTR26.0016/00

Quality Assessment Report:

FR/LCIE/QAR15.0001/09



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Date of issue: 2026-07-07

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The enclosure of D2 Ex-Proof Namur valve is protected by type "db" and "tb". The material of enclosure can be stainless steel or aluminium.

The D2 Ex-proof Namur valve is composed of a coil or two coils and variant valve body. The coil is installed inside the enclosure with type of protection "db" and "tb". There is an threaded entry hole with thread form 1/2NPT or M20x1.5 for a cable gland.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The flameproof joint cannot be repaired.
- Only the suitably certified cable glands can be used for fixing cables.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Replacing the diaphragm with the sleeve
2. Correction of the dust marking.

Annex:

[Annex IECEx LCIE 22.0025X issue 01.pdf](#)



Annex 01 to Certificate Of Conformity IECEX LCIE 22.0025X issue 01



FULL EQUIPMENT DESCRIPTION

The enclosure of D2 Ex-proof Namur valve is protected by type “db” and “tb”. The material of enclosure can be stainless steel or aluminium.

The D2 Ex-proof Namur valve is composed of a coil or two coils and a variant valve body. The coil is installed inside the enclosure with type of protection “db” and “tb”. There is an threaded entry hole with thread form 1/2NPT or M20×1.5 for a cable gland.

MARKING

Parker Hannifin Motion & Control (WuXi) Co., Ltd. or



Address : ...

Type : ****D2-***

Serial number : ...

Year of construction:

Ex db IIC T6...T4 Gb

Ex tb IIIC T80°C...T130°C Db

IECEX LCIE 22.0025X

-40°C≤Ta≤+52°C

-40°C≤Ta≤+65°C

-40°C≤Ta≤+100°C

WARNING – AFTER DE-ENERGIZING, DELAY 30 MINUTES BEFORE OPENING.

Only use cables suitable for 140°C.

RANGE DETAILS

There are several different models see nomenclature below:

Namur&Pipe Mounting Valve Numbering System / Système de nomenclature des vannes de montage Namur&Pipe

1	2	3	4	5	6
BNK	A	D6	JMC	D2	LADNC2
1: Simple/Double Solenoid 1: Single/Dual Solenoid	2: Material structure 2: Body Material	3: Namur/Pipe 3: Namur/Pipe	4: Matériau du corps du pilote 4: Pilot Body Material	5: Type de bobine 5: Coil Type	6: Numero de la bobine 6: Coil Part Number
BNK Single/simple BPK Dual/double	A Aluminum R SS 316L	D6 Namur G2 Pipe	JMC Aluminum(Ex-proof) JMB SS 316L(Ex-proof)	D2 2K Ex-proof Series	Item1 Item2 Item3 2K Ex-proof Coil

For example:

BNKAD6JMC D2-LADNC2

1-BNK: Single Solenoid/ Simple solenoide

2-A: Body Material-Aluminum / Matériau de la structure : aluminium

3-D6:Namur

4-JMC:Pilot Body Material-Aluminum(db) / Matériau du corps du pilote - Aluminium (db)

5-D2:2K Ex-proof Series/ D2:2K Série Ex-proof

6-LADNC2

L:Low Watts(cold)=1.3W

ADN:Cable thread-1/2NPT, Housing material-Aluminum / Filetage du câble-1/2NPT, Matériau du boîtier-Aluminium

C2:24V,DC24V

ITEM1	WATTS(W) (Cold)
R	Reduced power,3.6~4W
L	Low power,1.3W

ITEM2	A(cable thread)	Ingress Protection	Housing Material / Matériau du boîtier
ADN	1/2NPT	IP66	Aluminum(6061-T6)
ADM	M20X1.5	IP66/IP67	
RDN	1/2NPT	IP66	CF3M(316L)
RDM	M20X1.5	IP66/IP67	

Table 3

ITEM3	VOLTS(V/Hz)	Coil Power Level
C2	24/-	Reduced and low power
P2	110/50-60	Reduced power
P5	120/50-60	
R5	220/50-60	
Q1	240/50-60	

Table 4

Temperature Ambient Ambient temperature	Class temperature temperature class	Temperature cable Cable temperature
-40°C≤Ta≤+52°C	T6/T80°C	90°C
-40°C≤Ta≤+65°C	T5/T95°C	105°C
-40°C≤Ta≤+100°C	T4/T130°C	140°C

Digits 1, 2, 3 and 4 in the above name rule have nothing to do with explosion-proof performance.



Annex 01 to Certificate Of Conformity IECEX LCIE 22.0025X issue 01



RATINGS

Rated voltage: 24VDC, 110-240VAC
Frequency: 50-60Hz
Power : 1.3W~4W

ROUTINE TESTS

None.