



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 TUR 26.0013X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-03-05

Applicant: **National Lighting Co. Ltd.**
Street 77, 2nd Industrial City,
Dammam- 31411
Saudi Arabia

Equipment: **Explosion-proof Junction Box, Model: NLC EX-PD Series**

Optional accessory:

Type of Protection: **Equipment protection by increased safety "eb" and Equipment dust ignition protection by enclosure "tb"**

Marking: Ex eb IIC T6...T4 Gb
Ex tb IIIC T80°C...T110°C Db
(Ta range: Refer to Attachment)

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. Yang Wang

Position:

Assigned Certifier

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





IECEx Certificate of Conformity

Certificate No.: **IECEx TUR 26.0013X**

Page 2 of 3

Date of issue: 2026-03-05

Issue No: 0

Manufacturer: **National Lighting Co. Ltd.**
Street 77, 2nd Industrial City,
Dammam- 31411
Saudi Arabia

Manufacturing
locations: **National Lighting Co. Ltd.**
Street 77, 2nd Industrial City,
Dammam- 31411
Saudi Arabia

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 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[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:

[DE/TUR/ExTR26.0013/00](#)

Quality Assessment Report:

[US/UL/QAR24.0012/00](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx TUR 26.0013X**

Page 3 of 3

Date of issue: 2026-03-05

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The NLC EX-PD series explosion-proof junction box is designed for use in explosive atmospheres zone 1 and zone 21, hereinafter referred to as equipment. The protection types of the equipment are "eb" and "tb".

The equipment consists of an enclosure, certified terminals and entry devices. The enclosure material of the NLC EX-PD62 series is stainless steel SUS304, that of the NLC EX-PD65 series is plastic Premium-Glass, and that of the NLC EX-PD66 series is aluminum alloy ADC12. The rated voltage of the equipment is 690V.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Tamb: See attachment.
2. End user shall use certified cable glands and blanking elements with suitable type of protection for installation purpose. Minimum IP65 for chosen cable glands and blanking elements.
3. Electrostatic charging hazard - Clean only with a damp cloth.
4. All creepage and clearance distances as defined in IEC 60079-7 Table 2 for Ex e circuits shall be observed for the voltage rating.
5. The equipment withstands low risk of mechanical danger.

Annex:

[DE-IECEx_TUR_26.0013X_00_Attachment_2026-03-05.pdf](#)



Attachment to Certificate
IECEx TUR 26.0013 X
Revision 0

Attachment to Certificate IECEx TUR 26.0013 X

Device: Explosion-proof Junction Box
Model: NLC EX-PD Series

Manufacturer: National Lighting Co. Ltd.

Address: Street 77, 2nd Industrial City, Dammam -31411,
Saudi Arabia

General product information:

General Description:

The NLC EX-PD series explosion-proof junction box is designed for use in explosive atmospheres zone 1 and zone 21, hereinafter referred to as equipment. The protection types of the equipment are "eb" and "tb".

The equipment consists of an enclosure, certified terminals and entry devices. The enclosure material of the NLC EX-PD62 series is stainless steel SUS304, that of the NLC EX-PD65 series is plastic Premium-Glass, and that of the NLC EX-PD66 series is aluminum alloy ADC12. The rated voltage of the equipment is 690V.

Model Designation:

NLC EX-PD xx-*

Shape code(62-A,62-B,62-C,62-D,62-E,62-E1,62-F,62-F1,62-G,
62-G1, 62-H,62-H1, 62-I, 62-J,
65-A,65-B,65-C,65-D,65-D1,65-D2,65-E,65-E1,65-E2,65-F,65-F1,
66-A,66-B,66-C,66-D,66-E,66-F,66-G)

Explosion proof junction box

Technical Parameters:

Electrical Data

Type	L × W × H (mm)	Tamb	T Code	Max Rated current/ A	Max Watt Dissipation /W	Max. wire size/ mm²	Terminals Type, Max QTY (Use alone)
NLC EX- PD62-A	120×120×90	-60°C to +40°C	T6/T80°C	20	12.40	4	WDU2.5/UK3N:10 WDU4/UK5N:8
		-60°C to +55°C	T5/T95°C				
		-60°C to +65°C	T4/T110°C				
		-60°C to +45°C	T5/T95°C	24	18.22		
		-60°C to +60°C	T4/T110°C				
		-60°C to +40°C	T4/T110°C				

NLC EX-PD62-B	150x190x90	-60°C to +40°C	T6/T80°C	24	25.72	8	WDU2.5/UK3N:15 WDU4/UK5N:12 WDU6/UK6N:10
		-60°C to +55°C	T5/T95°C				
		-60°C to +45°C	T5/T95°C	32	40.76		
		-60°C to +55°C	T4/T110°C				
NLC EX-PD62-C	250x250x150	-60°C to +40°C	T6/T80°C			35	WDU2.5/UK3N:25 WDU4/UK5N:22 WDU6/UK6N:18 WDU10/UK10N:15 WDU16/UK16N:12 WDU35/UK35:8
		-60°C to +55°C	T5/T95°C	120	78.15		
		-60°C to +65°C	T4/T110°C				
		-60°C to +40°C	T5/T95°C	130	98.17		
		-60°C to +45°C	T4/T110°C				
		-60°C to +40°C	T4/T110°C	140	111.22		
NLC EX-PD62-D	300x300x150	-60°C to +40°C	T6/T80°C			35	WDU2.5/UK3N:30 WDU4/UK5N:28 WDU6/UK6N:25 WDU10/UK10N:20 WDU16/UK16N:14 WDU35/UK35:10
		-60°C to +55°C	T5/T95°C	100	99.00		
		-60°C to +60°C	T4/T110°C				
		-60°C to +40°C	T4/T110°C	120	135.56		
NLC EX-PD62-E	300x400x150	-60°C to +40°C	T6/T80°C			35	WDU2.5/UK3N:40 WDU4/UK5N:35 WDU6/UK6N:30 WDU10/UK10N:25 WDU16/UK16N:20 WDU35/UK35:12
		-60°C to +55°C	T5/T95°C	90	77.89		
		-60°C to +65°C	T4/T110°C				
		-60°C to +45°C	T5/T95°C	100	114.12		
		-60°C to +60°C	T4/T110°C				
		-60°C to +40°C	T4/T110°C	120	138.77		
NLC EX-PD62-E1	300x400x250	-60°C to +65°C	T5/T95°C	72	52.99	35	WDU2.5/UK3N:40 WDU4/UK5N:35 WDU6/UK6N:30 WDU10/UK10N:25 WDU16/UK16N:20 WDU35/UK35:12
		-60°C to +40°C	T6/T80°C				
		-60°C to +55°C	T5/T95°C	100	103.70		
		-60°C to +60°C	T4/T110°C				
		-60°C to +40°C	T4/T110°C	120	145.01		
NLC EX-PD62-F	480x480x150	-60°C to +65°C	T5/T95°C	24	36.18	16	WDU2.5/UK3N:120 WDU4/UK5N:110 WDU6/UK6N:90 WDU10/UK10N:70 WDU16/UK16N:60 WDU35/UK35:20
		-60°C to +40°C	T6/T80°C	32	76.27		
		-60°C to +45°C	T5/T95°C				
		-60°C to +40°C	T5/T95°C	42	121.14		
NLC EX-PD62-F1	480x480x250	-60°C to +40°C	T6/T80°C	24	43.03	16	WDU2.5/UK3N:120 WDU4/UK5N:110 WDU6/UK6N:90 WDU10/UK10N:70 WDU16/UK16N:60 WDU35/UK35:20
		-60°C to +40°C	T5/T95°C	42	116.00		
		-60°C to +40°C	T4/T110°C	48	164.40		
NLC EX-PD62-G	500x600x200	-60°C to +40°C	T6/T80°C			35	WDU2.5/UK3N:160 WDU4/UK5N:140 WDU6/UK6N:100 WDU10/UK10N:80 WDU16/UK16N:70 WDU35/UK35:50
		-60°C to +45°C	T5/T95°C	64	147.15		
		-60°C to +60°C	T5/T95°C	42	67.23		
NLC EX-PD62-G1	500x600x300	-60°C to +40°C	T6/T80°C			35	WDU2.5/UK3N:160 WDU4/UK5N:140 WDU6/UK6N:100 WDU10/UK10N:80 WDU16/UK16N:70 WDU35/UK35:50
		-60°C to +55°C	T5/T95°C	50	104.55		
		-60°C to +45°C	T5/T95°C	72	213.71		
		-60°C to +40°C	T4/T110°C	80	305.88		
NLC EX-PD62-H	640x860x220	-60°C to +40°C	T6/T80°C			35	WDU2.5/UK3N:300 WDU4/UK5N:270 WDU6/UK6N:220 WDU10/UK10N:160 WDU16/UK16N:120 WDU35/UK35:72
		-60°C to +55°C	T5/T95°C	50	181.25		
		-60°C to +65°C	T4/T110°C				
		-60°C to +45°C	T5/T95°C	64	290.44		
		-60°C to +40°C	T4/T110°C	68	313.73		
NLC EX-PD62-H1	640x860x320	-60°C to +40°C	T6/T80°C			35	WDU2.5/UK3N:300 WDU4/UK5N:270 WDU6/UK6N:220 WDU10/UK10N:160 WDU16/UK16N:120 WDU35/UK35:72
		-60°C to +55°C	T5/T95°C	48	169.68		
		-60°C to +45°C	T5/T95°C				
		-60°C to +60°C	T4/T110°C	64	333.59		
NLC EX-PD62-I	800x1200x300	-60°C to +40°C	T5/T95°C	42	371.74	35	WDU2.5/UK3N:480 WDU4/UK5N:450 WDU6/UK6N:360 WDU10/UK10N:300 WDU16/UK16N:240 WDU35/UK35:150 WDU50N/UKH50:30 WDU70N/35/UKH70:20 WDU70N/95/UKH95:15 WDU120/150/UKH150:15 WDU240/UK240:10
		-60°C to +40°C	T6/T80°C				
		-60°C to +45°C	T5/T95°C	50	470.16		
		-60°C to +40°C	T4/T110°C	64	1057.16		

NLC EX- PD62-J	800×1500×300	-60°C to +40°C	T6/T80°C	22	412.25	16	WDU2.5/UK3N:600 WDU4/UK5N:555 WDU6/UK8N:435 WDU10/UK10N:360 WDU16/UK16N:285 WDU35/UK35:150 WDU50N/UKH50:40 WDU70N/35/UKH70:25 WDU70N/95/UKH95:20 WDU120/150/UKH150:20 WDU240/UK240:15	
		-60°C to +55°C	T5/T95°C					
		-60°C to +60°C	T4/T110°C					
		-60°C to +45°C	T5/T95°C	24	486.49			
		-60°C to +40°C	T4/T110°C	32	835.21			
NLC EX- PD65-A	110×139×100	-60°C to +40°C	T6/T80°C	20	19.12	4	WDU2.5/UK3N:10 WDU4/UK5N:8	
		-60°C to +55°C	T5/T95°C					
		-60°C to +65°C	T4/T110°C					
		-60°C to +45°C	T4/T110°C	32	48.30			
NLC EX- PD65-B	110×220×119	-60°C to +40°C	T6/T80°C	16	17.90	6	WDU2.5/UK3N:28 WDU4/UK5N:22 WDU6/UK8N:18	
		-60°C to +55°C	T5/T95°C					
		-60°C to +65°C	T4/T110°C					
		-60°C to +40°C	T4/T110°C	20	63.76			
NLC EX- PD65-C	180×260×120	-60°C to +40°C	T6/T80°C	50	34.81	16	WDU2.5/UK3N:30 WDU4/UK5N:25 WDU6/UK8N:20 WDU10/UK10N:18 WDU16/UK16N:15	
		-60°C to +65°C	T5/T95°C					
		-60°C to +40°C	T5/T95°C					72
		-60°C to +40°C	T4/T110°C	80	102.38			
NLC EX- PD65-D	220×359×120	-60°C to +40°C	T6/T80°C	50	49.69	16	WDU2.5/UK3N:40 WDU4/UK5N:40 WDU6/UK8N:30 WDU10/UK10N:25 WDU16/UK16N:20	
		-60°C to +60°C	T5/T95°C					
		-60°C to +45°C	T5/T95°C					60
		-60°C to +60°C	T4/T110°C	72	116.57			
		-60°C to +40°C	T4/T110°C					
NLC EX- PD65-D1	220×359×170	-60°C to +40°C	T6/T80°C	60	72.35	16	WDU2.5/UK3N:40 WDU4/UK5N:40 WDU6/UK8N:30 WDU10/UK10N:25 WDU16/UK16N:20	
		-60°C to +55°C	T5/T95°C					
		-60°C to +65°C	T4/T110°C					
		-60°C to +40°C	T4/T110°C	72	113.37			
NLC EX- PD65-D2	220×359×220	-60°C to +40°C	T6/T80°C	50	53.59	16	WDU2.5/UK3N:40 WDU4/UK5N:40 WDU6/UK8N:30 WDU10/UK10N:25 WDU16/UK16N:20	
		-60°C to +55°C	T5/T95°C					
		-60°C to +65°C	T4/T110°C					64
		-60°C to +45°C	T5/T95°C	72	124.80			
		-60°C to +60°C	T4/T110°C					
NLC EX- PD65-E	359×359×120	-60°C to +50°C	T6/T80°C	42	64.80	16	WDU2.5/UK3N:80 WDU4/UK5N:80 WDU6/UK8N:60 WDU10/UK10N:50 WDU16/UK16N:40	
		-60°C to +65°C	T5/T95°C					
		-60°C to +40°C	T4/T110°C					60
NLC EX- PD65-E1	359×359×170	-60°C to +40°C	T6/T80°C	50	97.70			16
		-60°C to +55°C	T5/T95°C					
		-60°C to +65°C	T4/T110°C					
		-60°C to +40°C	T5/T95°C	64	161.59			
		-60°C to +40°C	T4/T110°C	72	222.53			
NLC EX- PD65-E2	359×359×220	-60°C to +40°C	T6/T80°C	50	117.07	16	WDU2.5/UK3N:80 WDU4/UK5N:80 WDU6/UK8N:60 WDU10/UK10N:50 WDU16/UK16N:40	
		-60°C to +55°C	T5/T95°C					
		-60°C to +45°C	T5/T95°C					64
		-60°C to +60°C	T4/T110°C	72	276.36			
		-60°C to +40°C	T4/T110°C					
NLC EX- PD65-F	358×718×160	-60°C to +40°C	T6/T80°C	32	119.85	16	WDU2.5/UK3N:160 WDU4/UK5N:160 WDU6/UK8N:120 WDU10/UK10N:100 WDU16/UK16N:80 WDU35/UK35:30	
		-60°C to +55°C	T5/T95°C					
		-60°C to +45°C	T5/T95°C					50
NLC EX- PD65-F1	358×718×220	-60°C to +60°C	T6/T80°C	24	69.64			16
		-60°C to +40°C	T6/T80°C	32	113.30			
		-60°C to +55°C	T5/T95°C					
		-60°C to +40°C	T5/T95°C				50	
		-60°C to +40°C	T4/T110°C	58	318.20			
NLC EX- PD66-A	135×135×96	-60°C to +40°C	T6/T80°C	20	13.08	4	WDU2.5/UK3N:10 WDU4/UK5N:8	
		-60°C to +55°C	T5/T95°C					
		-60°C to +45°C	T5/T95°C					
		-60°C to +60°C	T4/T110°C	24	19.08			
		-60°C to +40°C	T4/T110°C	28	28.54			
NLC EX- PD66-B	135×200×100	-60°C to +55°C	T6/T80°C	24	12.58	6	WDU2.5/UK3N:15 WDU4/UK5N:12 WDU6/UK8N:10	
		-60°C to +60°C	T5/T95°C					
		-60°C to +45°C	T5/T95°C					36



Attachment to Certificate
IECEx TUR 26.0013 X
Revision 0

NLC EX- PD66-C	200x200x88	-60°C to +40°C	T4/T110°C	46	46.93	6	WDU2.5/UK3N:15 WDU4/UK5N:12 WDU6/UK6N:10
		-60°C to +40°C	T6/T80°C	32	26.28		
		-60°C to +55°C	T5/T95°C	36	30.19		
		-60°C to +45°C	T5/T95°C	40	47.10		
		-60°C to +60°C	T4/T110°C				
NLC EX- PD66-D	200x300x148	-60°C to +40°C	T6/T80°C	72	39.08	35	WDU2.5/UK3N:30 WDU4/UK5N:28 WDU6/UK6N:25 WDU10/UK10N:20 WDU16/UK16N:14 WDU35/UK35:10
		-60°C to +40°C	T5/T95°C	90	63.61		
		-60°C to +55°C	T5/T95°C	100	75.11		
		-60°C to +45°C	T5/T95°C	120	106.59		
		-60°C to +60°C	T4/T110°C				
NLC EX- PD66-E	300x300x148	-60°C to +40°C	T6/T80°C	100	77.73	35	WDU2.5/UK3N:30 WDU4/UK5N:28 WDU6/UK6N:25 WDU10/UK10N:20 WDU16/UK16N:14 WDU35/UK35:10
		-60°C to +60°C	T5/T95°C				
		-60°C to +45°C	T5/T95°C	120	103.76		
NLC EX- PD66-F	300x400x148	-60°C to +65°C	T5/T95°C	72	42.03	35	WDU2.5/UK3N:40 WDU4/UK5N:35 WDU6/UK6N:30 WDU10/UK10N:25 WDU16/UK16N:20 WDU35/UK35:12
		-60°C to +40°C	T6/T80°C	90	69.34		
		-60°C to +55°C	T5/T95°C	100	83.65		
		-60°C to +40°C	T4/T110°C	120	113.48		
NLC EX- PD66-G	400x500x150	-60°C to +60°C	T5/T95°C	32	68.57	16	WDU2.5/UK3N:120 WDU4/UK5N:110 WDU6/UK6N:90 WDU10/UK10N:70 WDU16/UK16N:60 WDU35/UK35:20
		-60°C to +40°C	T6/T80°C	42	126.35		
		-60°C to +55°C	T5/T95°C				
		-60°C to +40°C	T5/T95°C	50	150.35		

Environmental data
IP Rating: IP65