



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 CQM 22.0025U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-01-09

Applicant: **DEGSON TECHNOLOGY CO.,LTD.**
NO. 1585, Xiaolin Road, Cixi,
Ningbo, Zhejiang Province 315321
China

Ex Component: Terminal blocks typed DS Series, WS Series, DC Series, PC Series

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: **Increased safety "eb", "ec"**

Marking: Ex eb IIC Gb, Ex ec IIC Gc

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

President

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:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District
Beijing City, Postal code: 100048
China





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Manufacturing
locations: **DEGSON TECHNOLOGY CO.,LTD.**
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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 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 60079-7:2017 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:

[CN/CQM/ExTR22.0038/00](#)

Quality Assessment Report:

[CN/CQM/QAR22.0003/00](#)



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

The product is increased safety terminal blocks. The terminal blocks have two kinds of fixing method for conductors, screw fixing and non-screw fixing. The insulation body is made of PA66. The maximum permissible cross section of conductors is up to 95mm², the maximum permissible current is up to 232A and the maximum permissible voltage is up to 1000V.

Refer to attachment for the detail of type and parameters.

SCHEDULE OF LIMITATIONS:

1. Terminal blocks is certified as component and could be used in hazardous area as increased safety terminal blocks only when it is installed in enclosures which comply with IEC 60079-0 ed7 and IEC 60079-7 ed 5.1 with IP54.
2. For Ex protection related electrical parameters, refer to user manual for details
3. The rated service temperature range is -60°C~+110°C.
4. When the terminal block is installed in an equipment, the clearance distance and creepage distance between the terminal block and other components shall be observed.
5. No terminal jumper or terminal accessory is used. Refer to user manual for torque value and stripping length. One conductor in one crimping point.
6. For products with marking "Ex ec IIC Gc", the switch shall not be operated when energized.

Annex:

[IECEX CQM 22.0025U attachment.pdf](#)



Attachment to Certificate

IECEX CQM 22.0025U Issue.0

**Manufacturer:**

DEGSON TECHNOLOGY CO.,LTD.

Address: NO. 1585 XIAOLIN ROAD,CIXI,NINGBO, 315321,ZHEJIANG PROVINCE, P.R.C.

Ex component:

Terminal blocks

Model reference and mainly parameters:

Model	Cross sections (mm ²)	Current (A)	Voltage (V)	Resistance (mΩ)	Torque (N · m)	Type of protection	Related earthing terminal
DS1.5 DS1.5-TW DS1.5-QU	0.14-1.5	12.5	352	3	/	Ex eb	DS1.5-PE DS1.5-TW-PE DS1.5-QU-PE
DSKK1.5 DSKK1.5-PV DS1.5-3L DS1.5-3L-PV	0.14-1.5	13.5	400	3 4	/	Ex eb	DSKK1.5-PE DS1.5-3L-PE
DS2.5 DS2.5-TW DS2.5-QU	0.2-2.5,4(Sol)	24	550	2	/	Ex eb	DS2.5-PE DS2.5-TW-PE DS2.5-QU-PE
DS2.5-TG DS2.5-MT	0.2-2.5,4(Sol)	20	400	2.5	/	Ex ec	/
WS2.5 WS2.5-TW WS2.5-QU	0.2~2.5mm ²	22	630	3	/	Ex eb	WS2.5-PE WS2.5-TW-PE WS2.5-QU-PE
WS2.5-DIN15 WS2.5-DIN35	0.2~2.5mm ²	24	690	1.5	/	Ex eb	/
DC2.5 DC2.5-TW	0.2-2.5,4(Sol)	24	550	2	0.4	Ex eb	DC2.5-PE
PC2.5 PC2.5-TW PCDK2.5	0.2-2.5	24	630 250 400	2	0.5	Ex eb	PC2.5-PE PC2.5-TW-PE PCDK2.5-PE
PCMT2.5	0.2-2.5	14	250	2	0.5	Ex eb	/
DSKK2.5 DSKK2.5-PV DS2.5-3L DS2.5-3L-PV	0.2-2.5,4(Sol)	22 20	500	3	/	Ex eb	DSKK2.5-PE DS2.5-3L-PE
DCKKB2.5 DCKKB2.5-PV	0.5-2.5,4(Sol)	24	630	1.5	0.4	Ex eb	DCKKB2.5-PE
DS4 DS4-TW DS4-QU	0.2-4,6(Sol)	32	550	2	/	Ex eb	DS4-PE DS4-TW-PE DS4-QU-PE



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Model	Cross sections (mm ²)	Current (A)	Voltage (V)	Resistance (mΩ)	Torque (N · m)	Type of protection	Related earthing terminal
DS4-TG DS4-MT	0.2-4,6(Sol)	20	500	2.5	/	Ex ec	/
WS4 WS4-TW WS4-QU	0.2-4	27	630	2	/	Ex eb	WS4-PE WS4-TW-PE WS4-QU-PE
WSF4-TA-01P-1Y-00A WSF4-TA-01P-1Y-08A	0.2-4	6.3	500 24	3 15	/	Ex ec	/
DC4	0.5-4	32	550	1.5	0.65	Ex eb	DC4-PE
DC4-TG DC4-MT	0.5-4,6(Sol)	20	500 440	2	0.65	Ex ec	/
PC4 PC4-TW PCDK4	0.2-4	32	690 320 480	1.5	0.5	Ex eb	PC4-PE PC4-TW-PE PCDK4-PE
PCMT4-01P-1Y-00A(H)	0.2-4	10	630	2.5	0.5	Ex ec	/
DSKK4 DSKK4-PV	0.2-4,6(Sol)	30	500	2	/	Ex eb	DSKK4-PE
DCKKB4 DCKKB4-PV	0.5-4	32	500	1.5	0.6	Ex eb	DCKKB4-PE
DS4-HE DS4-HE-LD24 DS4-HE-LD60 DS4-HE-LD250	0.2-4,6(Sol)	6.3	400 24 60 250	15	/	Ex ec	/
DC4-HE DC4-HE-LD24 DC4-HE-LD250	0.5-4,6(Sol)	6.3	400 24 250	15	0.5	Ex ec	/
PC4-HE	0.2-4	6.3	1000	5	0.5	Ex ec	/
PCKK4	0.2~4	32	500	1.5	0.5	Ex eb	PCKK4-PE
DS6 DS6-TW DS6-QU	0.5-6,10(Sol)	41	630	2	/	Ex eb	DS6-PE DS6-TW-PE DS6-QU-PE
DS6-TG DS6-MT	0.5-6,10(Sol)	20	630	2.5	/	Ex ec	/
WS6 WS6-TW	0.2-6	37	630	1	/	Ex eb	WS6-PE WS6-TW-PE
DC6	0.5-6	41	550	1	1.54	Ex eb	DC6-PE
PC6	0.2~6.0	41	800	1	1.2	Ex eb	PC6-PE



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Model	Cross sections (mm ²)	Current (A)	Voltage (V)	Resistance (mΩ)	Torque (N · m)	Type of protection	Related earthing terminal
DCTK6	0.5-10	38	630	1	1.54	Ex eb	/
PCTK6 PCTK6-BEN	0.5-6 0.2-6	41	320	1	1.2	Ex eb	/
DS10 DS10-TW	0.5- 10,16(Sol)	57	800	0.8	/	Ex eb	DS10-PE DS10-TW-PE
DC10	0.5-10	57	630	0.8	1.54	Ex eb	DC10-PE
PC10	0.2~10	57	800	0.8	1.2	Ex eb	PC10-PE
WS10 WS10-TW	0.2~10	57	800	0.8	/	Ex eb	WS10-PE WS10-TW-PE
PC10-DR	0.5-10	10	500	2	1.2	Ex ec	/
DCKKB10 DCKKB10-PV	0.5-10	57	630	0.8	1.54	Ex eb	/
DS16 DS16-TW	0.5- 16,25(Sol)	55	800	0.8	/	Ex eb	DS16-PE DS16-TW-PE
WS16 WS16-TW	0.2-16	76	800	0.8	/	Ex eb	WS16-PE WS16-TW-PE
DC16	1.5-25	76	500	0.8	2.5	Ex eb	DC16-PE
PC16	0.2-16	66	690	0.8	1.2	Ex eb	PC16-PE
WS35	2.5-35	105	1000	0.8	/	Ex eb	WS35-PE
DC35	1.5-50	120	630	0.8	5	Ex eb	DC35-PE
PC35	0.2-35	120	690	0.8	2.5	Ex eb	PC35-PE
DC50 PC50	16-50	140	800	0.8	6	Ex eb	DC50-PE PC50-PE
DC95 PC95	25-95	232	1000	0.8	20	Ex eb	/