



Technická inšpekcia, a.s.

Trnavská cesta 56, 821 01 Bratislava, Slovenská republika

[1] EU-TYPE EXAMINATION CERTIFICATE



[2] Equipment or Protective System Intended for use in potentially explosive atmospheres
Directive 2014/34/EU

[3] EU-Type Examination Certificate Number:

TI23 ATEX 965 U

[4] Product: **Terminal blocks**
Type: **DS Series, WS Series, DC Series, PC Series**

[5] Manufacturer: **Degson Technology Co., Ltd.**

[6] Address: **No. 1585 Xiaolin Road, Cixi, Ningbo, China**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] Technická inšpekcia, a.s., Notified Body Number 1354 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of product intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report No. 965/5/2023.

[9] Compliance with the Essential Health and safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018, EN IEC 60079-7:2015/A1:2018**, except in respect of those requirements listed at item 18 of the Schedule.

[10] The sign "U" placed behind the certificate number "U" indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This partial certification may be used as a basis for certification of an equipment or protective systems.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of this Directive apply to the manufacturing process and supply of this product.

[12] The marking of the product shall include the following:



II 2G Ex eb IIC Gb

-60°C ≤ Tamb ≤ 110°C

Technická inšpekcia, a.s.
Trnavská cesta 56
821 01 Bratislava, Slovakia
e-mail: tisr@tisr.sk
web: www.tisr.sk
Tel.: +421 2 49208 100



Bratislava, July 10th, 2023

Ing. Peter Pribula
Director of Technical Department



NB 1354

**[13] Schedule****[14] EU-Type Examination Certificate Number: TI23 ATEX 965 U****[15] Description of product:****Terminal blocks****Type: DS Series, WS Series, DC Series, PC Series**

The terminal block is intended for connection of cables.

The component is suitable for gas group IIC and have the type of protection "Ex eb" and it is intended to be mounted only inside of enclosure.

The insulator is made of PA66. The block adopts copper alloy. The clamp connection can provide self-locking and loosening protection.

Electric characteristics

Model	Cross sections (mm ²)	Current (A)	Voltage (V)	Resistance (mΩ)	Related earthing terminal	Torque (N·M)
DS1.5 DS1.5-TW DS1.5-QU	0.14-1.5	12.5	352	3	DS1.5-PE DS1.5-TW-PE DS1.5-QU-PE	/
DSKK1.5 DSKK1.5-PV	0.14-1.5	13.5	400	3	DSKK1.5-PE	/
DS1.5-3L DS1.5-3L-PV	0.14-1.5	13.5	400	4	DS1.5-3L-PE	/
DS2.5 DS2.5-TW DS2.5-QU	0.2-2.5,4 (Sol)	24	550	2	DS2.5-PE DS2.5-TW-PE DS2.5-QU-PE	/
WS2.5 WS2.5-TW WS2.5-QU	0.2-2.5	22	630	3	WS2.5-PE WS2.5-TW-PE WS2.5-QU-PE	/
WS2.5-DIN15 WS2.5-DIN35	0.2-2.5	24	690	1.5	/	/
DC2.5 DC2.5-TW	0.2-2.5,4 (Sol)	24	550	2	DC2.5-PE	0.4
PC2.5 PC2.5-TW PCDK2.5	0.2-2.5	24	630 250 400	2	PC2.5-PE PC2.5-TW-PE PCDK2.5-PE	0.5
PCMT2.5	0.2-2.5	14	250	2	/	0.5
DSKK2.5 DSKK2.5-PV DS2.5-3L DS2.5-3L-PV	0.2- 2.5,4(Sol)	22 20	500	3	DSKK2.5-PE DS2.5-3L-PE	/
DCKKB2.5 DCKKB2.5-PV	0.5- 2.5,4(Sol)	24	630	1.5	DCKKB2.5-PE	0.4
DS4 DS4-TW DS4-QU	0.2- 4,6(Sol)	32	550	2	DS4-PE DS4-TW-PE DS4-QU-PE	/
WS4 WS4-TW WS4-QU	0.2-4	27	630	2	WS4-PE WS4-TW-PE WS4-QU-PE	/

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DC4	0.5-4	32	550	1.5	DC4-PE	0.65
PC4 PC4-TW PCDK4	0.2-4	32	690 320 480	1.5	PC4-PE PC4-TW-PE PCDK4-PE	0.5
DSKK4 DSKK4-PV	0.2- 4,6(Sol)	30	500	2	DSKK4-PE	/
DCKKB4 DCKKB4-PV	0.5-4	32	500	1.5	DCKKB4-PE	0.6
PCKK4	0.2~4	32	500	1.5	PCKK4-PE	0.5
DS6 DS6-TW DS6-QU	0.5- 6,10(Sol)	41	630	2	DS6-PE DS6-TW-PE DS6-QU-PE	/
WS6 WS6-TW	0.2-6	37	630	1	WS6-PE WS6-TW-PE	/
DC6	0.5-6	41	550	1	DC6-PE	1.54
PC6	0.2~6.0	41	800	1	PC6-PE	1.2
DCTK6	0.5-10	38	630	1	/	1.54
PCTK6 PCTK6-BEN	0.5-6 0.2-6	41	320	1	/	1.2
DS10 DS10-TW	0.5- 10,16(Sol)	57	800	0.8	DS10-PE DS10-TW-PE	/
DC10	0.5-10	57	630	0.8	DC10-PE	1.54
PC10	0.2~10	57	800	0.8	PC10-PE	1.2
WS10 WS10-TW	0.2~10	57	800	0.8	WS10-PE WS10-TW-PE	/
DCKKB10 DCKKB10-PV	0.5-10	57	630	0.8	/	1.54
DS16 DS16-TW	0.5- 16,25(Sol)	55	800	0.8	DS16-PE DS16-TW-PE	/
WS16 WS16-TW	0.2-16	76	800	0.8	WS16-PE WS16-TW-PE	/
DC16	1.5-25	76	500	0.8	DC16-PE	2.5
PC16	0.2-16	66	690	0.8	PC16-PE	1.2
WS35	2.5-35	105	1000	0.8	WS35-PE	/
DC35	1.5-50	120	630	0.8	DC35-PE	5
PC35	0.2-35	120	690	0.8	PC35-PE	2.5
DC50 PC50	16-50	140	800	0.8	DC50-PE PC50-PE	6
DC95 PC95	25-95	232	1000	0.8	/	20

Product designation

WS10	01P	1	Y	00A	(H)
A	B	C	D	E	F

- A. Basic Construction
B. Number of poles followed by letter P,
C. 1: single pitch; 2: double pitch
D. Color of block
E. Customer Request: 00A: Standard product, **A: Special product (01-99 stands for customer code)
F. Environmental requirement: H - RoHS



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[16] Report Number:

Inspection report No: 965/5/2023
Final Test Report No: 965/5/2023

[17] 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 EN IEC 60079-0:2018 and EN IEC 60079-7:2015/A1:2018 with IP54.
2. For Ex protection related electrical parameters, refer to user manual for details.
3. The rated service temperature range is $-60^{\circ}\text{C}\sim+110^{\circ}\text{C}$.
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.

[18] Essential Health and Safety Requirements:

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information: None.

[19] Drawings and Documents:

Number	Sheet	Issue	Date	Description
CN/CQM/ExTR22.0038/00	44	-	08.12.2022	IECEX Test Report
Description Document for Din Rail Terminal Blocks	12	0	10.02.2023	Description Document for Din Rail Terminal Blocks
Drawings for 1.5 mm cross-section series DS	20	0	-	Drawings for 1.5 mm cross-section series DS
Drawings for 2.5 mm cross-section series DC, DS, PC, WS	53	0	-	Drawings for 2.5 mm cross-section series DC, DS, PC, WS
Drawings for 4,0 mm cross-section series DC, DS, PC, WS	45	0	-	Drawings for 4,0 mm cross-section series DC, DS, PC, WS
Drawings for 6,0-95,0 mm cross-section series DC, DS, PC, WS	90	0	-	Drawings for 6,0-95,0 mm cross-section series DC, DS, PC, WS
Operation instruction DC_PC	1	-	15.02.2023	Operation instruction DC, PC
Operation instruction DS_WS	1	-	15.02.2023	Operation instruction DS, WS
FRIANYL A3 RVO NC 1102-PA66	3	-	09.10.2022	Datasheet for PA66 material

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Trnavská cesta 56
821 01 Bratislava, Slovakia
e-mail: tisr@tisr.sk
web: www.tisr.sk
Tel.: +421 2 49208 100



Bratislava, July 19th 2023


Ing. Peter Pribula
Director of Technical Department

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