



EU - Type Examination Certificate

- (1)
- (2) **Component Intended for use on/in an Equipment or Protective System
Intended for use in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 23 ATEX 0014U

- (4) Product: **Terminal blocks types TBL2.5; TBL4; TBL6; TBL10; TBL16; TBL25;
TBL35; TBL50; TBL95; PFT2.5; PFT2.5 E; PFT4; PFT4 E**
- (5) Manufacturer: **Tbloc Elektrik-Elektronik Ve Tic. A. S.**
- (6) Address: **29 Ekim Mhl.10001 sok.no: 50 /435663, Menemen, Izmir, Turkey**
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report number:
23/0014 dated 14.02.2023
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN 60079-7:2015+A1:2018
- (10) The sign „U“ is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EU - Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:

 **II 2G Ex eb IIC Gb**

This certificate is valid till: **28.02.2028**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.03.2023

Page: 1/3
Annex: 1 (3 pages)



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13) **Schedule**

(14) **EU - Type Examination Certificate No. FTZÚ 23 ATEX 0014U**

(15) Description of Product:

Terminal blocks and accessories are protected by increased safety "eb" explosion protection.

Terminal blocks are created by insulating part and terminal assemblies (conductive part and clamping unit). Groove and ribbons are used to secure creepage and clearances on the insulating part. Conductive part is made from copper or its alloy with metal plated finish. Contact pressure between conductive part and the conductor is developed by screw-type clamping unit or screwless-type clamping unit.

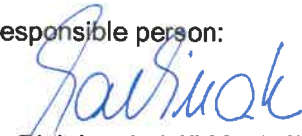
Terminal blocks are intended for mounting inside enclosure. Terminal blocks are intended for connecting of solid, stranded and flexible conductors. Flexible conductors could be crimped.

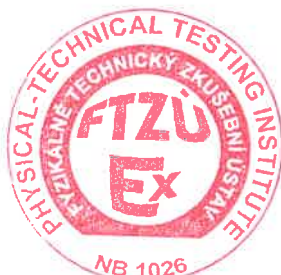
A list of certified terminal blocks and accessories for each terminal block is given in Annex no. 1.

Verified parameters of terminal blocks:

Terminal block type	Rated cross section [mm ²]	Range of cross section [mm ²]	Tightening torque [Nm]	Rated current max. in case of rated cross-section [A] Without accessories	Rated current max. in case of rated cross-section [A] With accessories	Rated voltage [V] Without accessories	Rated voltage [V] With accessories	Resistance of terminal block in case of rated cross-section [mΩ]
TBL2.5	2.5	0.5 - 4	0.6	24	24	320	320	0.27
TBL4	4	0.5 - 6	0.8	32	32	500	500	0.25
TBL6	6	0.5 - 10	1.2	41	41	500	500	0.2
TBL10	10	0.5 - 16	1.5	57	57	500	500	0.19
TBL16	16	0.5 - 16	2.5	76	76	630	630	0.092
TBL25	25	0.5 - 25	2.5	101	101	630	630	0.16
TBL35	35	1.5 - 35	3.5	124	114	630	630	0.04
TBL50	50	6 - 50	4.5	140	132	800	800	0.04
TBL95	95	6 - 95	14	210	200	750	750	0.04
PFT2.5	2.5	0.5 - 4	-	22	20	500	500	0.95
PFT4	4	0.5 - 6	-	28	26	500	500	1.07
PFT2,5 E	2.5	0.5 - 4	-	-	-	-	-	-
PFT4 E	4	0.5 - 6	-	-	-	-	-	-

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.03.2023

Page: 2/3
Annex: 1 (3 pages)



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 23 ATEX 0014U**

(16) Report Number: 23/0014

(17) Schedule of Limitations:

1. Range of ambient temperature is -40°C to +40°C.
2. Service temperature range of terminal blocks is -40°C to +80°C.
3. User's guide and way of installation of the terminal blocks are given in the document Technical terms and condition no. EX-27FS30110.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

(19) Drawings and Documents:

Number	Revision	Sheets	Date	Description
EX- 27FS30110	03	1	21.10.2022	Manual
EX- 27FS30111	08	7	22.10.2022	Document
EX-27\PFT2.5\000\00	01	1	1.11.2022	Drawing
EX-27\PFT2.5 E\000\00	01	1	1.11.2022	Drawing
EX-27\PFT4\000\00	01	1	1.11.2022	Drawing
EX-27\PFT4 E\000\00	01	1	1.11.2022	Drawing
EX-27\TBL2.5\000\00	01	1	1.11.2022	Drawing
EX-27\TBL4\000\00	07	1	1.11.2022	Drawing
EX-27\TBL6\000\00	07	1	1.11.2022	Drawing
EX-27\TBL10\000\00	07	1	1.11.2022	Drawing
EX-27\TBL16\000\00	08	1	1.11.2022	Drawing
EX-27\TBL25\000\00	08	1	1.11.2022	Drawing
EX-27\TBL35\000\00	09	1	1.11.2022	Drawing
EX-27\TBL50\000\00	09	1	1.11.2022	Drawing
EX-27\TBL95\000\00	05	1	1.11.2022	Drawing

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.03.2023

Page: 3/3
Annex: 1 (3 pages)



Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX No. 1

to EU - Type Examination Certificate No. FTZÚ 23 ATEX 0014U

List of certified terminal blocks and accessories:

Screw terminal block TBL 2.5

Accessories TBL 2.5	End plate EPL TBL 2.5-10
Accessories TBL 2.5	Partition PR TBL 2.5-10
Accessories TBL 2.5	Small partition SPR 2.5-10
Accessories TBL 2.5	End bracket PS 1
Accessories TBL 2.5	End bracket SS 1
Accessories TBL 2.5	Cross connection SCC 2.5/10; SCC 2.5/3; SCC 2.5/2;

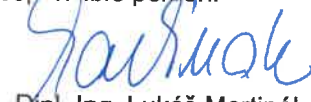
Screw terminal block TBL 4

Accessories TBL 4	End plate EPL TBL 2.5-10
Accessories TBL 4	Partition PR TBL 2.5-10
Accessories TBL 4	Small partition SPR 2.5-10
Accessories TBL 4	End bracket PS 1
Accessories TBL 4	End bracket SS 1
Accessories TBL 4	Cross connection SCC 4/10; SCC 4/3; SCC 4/2;
Accessories TBL 4	Bridge comb TCC 4/10; TCC 4/3; TCC 4/2;

Screw terminal block TBL 6

Accessories TBL 6	End plate EPL TBL 2.5-10
Accessories TBL 6	Partition PR TBL 2.5-10
Accessories TBL 6	Small partition SPR 2.5-10
Accessories TBL 6	End bracket PS 1
Accessories TBL 6	End bracket SS 1
Accessories TBL 6	Cross connection SCC 6/10; SCC 6/3; SCC 6/2;

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.03.2023

Page of Annexes: 1/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX No. 1

to EU - Type Examination Certificate No. FTZÚ 23 ATEX 0014U

Screw terminal block TBL 10	
Accessories TBL 10	End plate EPL TBL 2.5-10
Accessories TBL 10	Partition PR TBL 2.5-10
Accessories TBL 10	Small partition SPR 2.5-10
Accessories TBL 10	End bracket PS 1
Accessories TBL 10	End bracket SS 1
Accessories TBL 10	Cross connection SCC 10/10; SCC 10/3; SCC 10/2;
Screw terminal block TBL 16	
Accessories TBL 16	Partition GPR
Accessories TBL 16	End bracket SS 2
Accessories TBL 16	Cross connection SCC 16/10; SCC 16/3; SCC 16/2;
Screw terminal block TBL 25	
Accessories TBL 25	Partition GPR
Accessories TBL 25	End bracket SS 2
Accessories TBL 25	Cross connection SCC 25/10; SCC 25/3; SCC 25/2;
Screw terminal block TBL 35	
Accessories TBL 35	Partition GPR
Accessories TBL 35	End bracket SS 2
Accessories TBL 35	Cross connection SCC 35/10; SCC 35/3; SCC 35/2;
Screw terminal block TBL 50	
Accessories TBL 50	Partition GPR
Accessories TBL 50	End bracket SS 2
Accessories TBL 50	Cross connection SCC 50/3; SCC 50/2;

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.03.2023

Page of Annexes: 2/3



Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX No. 1

to EU - Type Examination Certificate No. FTZÚ 23 ATEX 0014U

Screw terminal block TBL 95

Accessories TBL 95 End bracket SS 2

Accessories TBL 95 Cross connection SCC 95/3; SCC 95/2;

Screwless terminal block PFT 2.5

Accessories PFT 2.5 End bracket PS 1

Accessories PFT 2.5 End bracket SS 1

Accessories PFT 2.5 Bridge screwless PCC 2.5/10, PCC 2.5/3, PCC 2.5/2

Screwless terminal block PFT 4

Accessories PFT 4 End bracket PS 1

Accessories PFT 4 End bracket SS 1

Accessories PFT 4 Bridge screwless PCC 4/10, PCC 4/3, PCC 4/2

Screwless terminal block PFT 2.5 E

Accessories PFT 2.5 E End bracket PS 1

Accessories PFT 2.5 E End bracket SS 1

Screwless terminal block PFT 4 E

Accessories PFT 4 E End bracket PS 1

Accessories PFT 4 E End bracket SS 1

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.03.2023

Page of Annexes: 3/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Píkartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz