



## **REGISTRATION CERTIFICATE**

Terminal block series

TB, TC, TK, BZD EKF PROxima

## 1. PURPOSE

Terminal blocks series TB, TC, TK, BZD are intended for connecting and branching the copper and aluminum conductors in the electrical circuits of AC voltage up to 660 V, 50 Hz and are used as component parts in fixed installations.

Terminal blocks correspond to GOST 30011.7.1-2012 (IEC 60947-7-1: 2002).

**TB-XX XX**



## 2. TECHNICAL CHARACTERISTICS

Basic technical characteristics are given in Tables 1 and 2.

Table 1

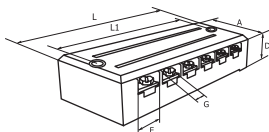
Parameter	TB	TC	TK	BZD
Rated voltage, V	AC 660			
Frequency, Hz	50			
Housing material	karbolit			
Terminal clamps material	brass			anodized steel
Insulation resistance, no less than, MOhm	50			30
Material temperature stability, °C	±100	±400	±130	±400
Protection degree	IP00			IP20
Mounting arrangement	On mounting plate		On mounting plate / on DIN-rail	

Table 2

Designation	Current, A	Number of clamp couples	Maximum conductor section, mm
Terminal block TB-1504 up to 1,5 mm <sup>2</sup> 15A EKF PROxima	15	4	1,5
Terminal block TB-1506 up to 1,5 mm <sup>2</sup> 15A EKF PROxima	15	6	1,5
Terminal block TB-1512 up to 1,5 mm <sup>2</sup> 15A EKF PROxima	15	12	1,5
Terminal block TB-2504 up to 2,5 mm <sup>2</sup> 25A EKF PROxima	25	4	2,5

Designation	Current, A	Number of clamp couples	Maximum conductor section, mm
Terminal block TB-2506 up to 2,5 mm <sup>2</sup> 25A EKF PROxima	25	6	2,5
Terminal block TB-2512 up to 2,5 mm <sup>2</sup> 25A EKF PROxima	25	12	2,5
Terminal block TB-4504 up to 4,5 mm <sup>2</sup> 45A EKF PROxima	45	4	4,5
Terminal block TB-4506 up to 4,5 mm <sup>2</sup> 45A EKF PROxima	45	6	4,5
Terminal block TB-4512 up to 4,5 mm <sup>2</sup> 45A EKF PROxima	45	12	4,5
Terminal block TC -1003 up to 35 mm <sup>2</sup> 100A EKF PROxima	100	3	35
Terminal block TC-1004 up to 35 mm <sup>2</sup> 100A EKF PROxima	100	4	35
Terminal block TC-1503 up to 70 mm <sup>2</sup> 150A EKF PROxima	150	3	70
Terminal block TC-1504 up to 70 mm <sup>2</sup> 150A EKF PROxima	150	4	70
Terminal block TC -2003 up to 95 mm <sup>2</sup> 200A EKF PROxima	200	3	95
Terminal block TC-2004 up to 95 mm <sup>2</sup> 200A EKF PROxima	200	4	95
Terminal block TC -3003 up to 150 mm <sup>2</sup> 300A EKF PROxima	300	3	150
Terminal block TC-3004 up to 15 mm <sup>2</sup> 300A EKF PROxima	300	4	15
Terminal block TC-603 up to 16 mm <sup>2</sup> 60A EKF PROxima	60	3	16
Terminal block TC-604 up to 16 mm <sup>2</sup> 60A EKF PROxima	60	4	16
Terminal block TK-0100 up to 25 mm <sup>2</sup> 100A EKF PROxima	100	10	25
Terminal block TK-020 up to 2,5 mm <sup>2</sup> 20A EKF PROxima	20	10	2,5
Terminal block TK-030 up to 4 mm <sup>2</sup> 30A EKF PROxima	30	10	4
Terminal block TK-040 up to 6 mm <sup>2</sup> 40A EKF PROxima	40	10	6
Terminal block TK-060 up to 10 mm <sup>2</sup> 60A EKF PROxima	60	10	10

Designation	Current, A	Number of clamp couples	Maximum conductor section, mm
Terminal block BZD-1 up to 16 mm <sup>2</sup> 60A EKF PROxima	60	1	16
Terminal block BZD-1 up to 25 mm <sup>2</sup> 90A EKF PROxima	90	1	25
Terminal block BZD-2 up to 2,5 mm <sup>2</sup> 20A EKF PROxima	20	2	2,5
Terminal block BZD-3 up to 2,5 mm <sup>2</sup> 20A EKF PROxima	20	3	2,5
Terminal block BZD-3 up to 4,0 mm <sup>2</sup> 30A EKF PROxima	30	3	4
Terminal block BZD-3 up to 10,0 mm <sup>2</sup> 50A EKF PROxima	50	3	10

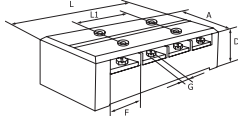


Terminal block TB series

### 3. OVERALL DIMENSIONS

Table 3

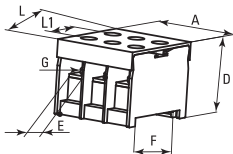
Item	L	L1	A	D	F	G
TB-1504	55,5	46	22	18	7,5	M3
TB-1506	73,5	64	22	18	7,5	M3
TB-1512	128	118	22	18	7,5	M3
TB-2504	67	57	30	19	11	M4
TB-2506	91	82	30	19	11	M4
TB-2512	163	153	30	19	11	M4
TB-4504	85	76	38	24	15	M5
TB-4506	121	110	38	24	15	M5
TB-4512	222	212	38	24	15	M5



Terminal block TC series

Table 4

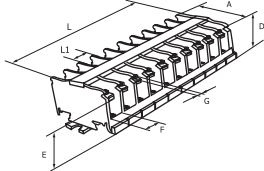
Item	L	L1	A	D	E	F	G
TC-603	85	28	43	33	17	17	M6
TC-604	112	28	43	33	17	17	M6
TC-1003	104	34	55	38	17	23	M6
TC-1004	136	34	55	38	17	23	M6
TC-1503	117	39	67	41	20	24	M8
TC-1504	157	39	67	41	20	24	M8
TC-2003	134	45	72	44	23	28	M8
TC-2004	177	45	72	44	23	28	M8
TC-3003	164	55	89	51	27	36	M10
TC-3004	220	55	89	51	27	36	M10



Terminal block BZD series

Table 5

Item	L	L1	A	D	E	F	G
bzd-16001	48	22	17	36	12,8	35	M5
bzd-25001	55	25	23	40	15	35	M6
bzd-2502	40	17	20	32	7,8	35	M3
bzd-2503	40	17	26	32	6,5	35	M3
bzd-4003	40	17	36	32	9,7	35	M4
bzd-10003	48	19	43	36	12	35	M5



Terminal block TK series

Table 6

Item	L	L1	A	D	E	F
TK010	104	10	38	35	20	9
TK020	104	10	38	35	20	9
TK030	124	12	38	36	20	10
TK040	139	14	38	36	20	11
TK060	165	16	48	43	22	13
TK0100	205	20	53	43	22	17

#### 4. MAINTENANCE AND INSTALLATION FEATURES

Installation and connection of the contactors should be made by qualified electrical personnel.

**CAUTION!** Installation, connection and adjustment should be carried out with power off!

Terminal blocks must be operated in accordance with the «Rules of safety during the operation of electric installations by consumers.»

Do not use terminal blocks having external mechanical damage.

## **5. TRANSPORTATION AND STORAGE**

Terminal blocks can be transported by all modes of enclosed transport ensuring protection of packaged products from mechanical effects and atmospheric precipitations.

Terminal blocks must be stored in the original package indoors at ambient temperatures from -25°C to +50°C and relative humidity no more than 98% at +25°C.

Dispose off with normal household waste.

## **6. KITTING**

1. Terminal block – 1 pcs;
2. Registration certificate – 1 pcs

## **7. MANUFACTURER GUARANTEE**

The manufacturer guarantees the terminal blocks comply with the requirements of GOST 30011.7.1-2012 (IEC 60947-7-1: 2002) provided that all terms of use, transportation and storage are ensured.

Warranty service period: 7 years.

Guaranteed shelf life: 7 years.

Service life: 10 years.

## **8. TEST CERTIFICATE**

Manufacture date « \_\_\_ » \_\_\_\_\_ 20\_\_.

Stamp of the manufacturer's technical control department

## **9. NOTE OF SALE**

Date of sale « \_\_\_ » \_\_\_\_\_ 20\_\_.

Signature of the Seller \_\_\_\_\_

Seal of the selling company

EKF trademark service representative:  
Otradnaya st., 2b bld. 9, 127273, Moscow, Russia  
Tel./fax: +7 (495) 788-88-15 (multi-line)  
Tel.: 8 (800) 333-88-15 (free)  
www.ekfgroup.com

Manufacturer: «CECF Electric Trading (Shanghai) Co.», LTD  
1412, Suncome Cimic Tower, 800 Shang Cheng Road,  
Pudong New District, Shanghai, China

Representative of the manufacturer: «Ekivalent», LTD,  
690091, Primorsky region, Vladivostok, st. Mordovtseva, 6.  
Tel.: + 7 (423) 279-14-91

Importer: «Triera», LTD, 690065, Primorsky region,  
Vladivostok, st. Strelnikova, 9. Tel.: +7 (423) 279-14-90

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