

## REGISTRATION CERTIFICATE

Terminal block series

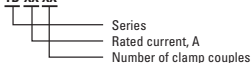
TB, TC, TK, BZD EKF PROxima

## 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

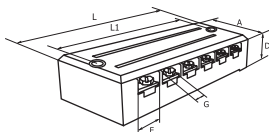
| Parameter                                 | TB                | TC   | TK                                 | BZD            |
|---|-------------------|------|------------------------------------|----------------|
| Rated voltage, V                          | AC 660            |      |                                    |                |
| 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 /<br>on DIN-rail |                |

Table 2

| Designation   | Current, A | Number of clamp couples | Maximum conductor section, mm |
|---|------------|-------------------------|-------------------------------|
| Terminal block TB-1504<br>up to 1,5 mm <sup>2</sup> 15A EKF PROxima | 15         | 4                       | 1,5                           |
| Terminal block TB-1506<br>up to 1,5 mm <sup>2</sup> 15A EKF PROxima | 15         | 6                       | 1,5                           |
| Terminal block TB-1512<br>up to 1,5 mm <sup>2</sup> 15A EKF PROxima | 15         | 12                      | 1,5                           |
| Terminal block TB-2504<br>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<br>up to 2,5 mm <sup>2</sup> 25A EKF PROxima   | 25         | 6                       | 2,5                           |
| Terminal block TB-2512<br>up to 2,5 mm <sup>2</sup> 25A EKF PROxima   | 25         | 12                      | 2,5                           |
| Terminal block TB-4504<br>up to 4,5 mm <sup>2</sup> 45A EKF PROxima   | 45         | 4                       | 4,5                           |
| Terminal block TB-4506<br>up to 4,5 mm <sup>2</sup> 45A EKF PROxima   | 45         | 6                       | 4,5                           |
| Terminal block TB-4512<br>up to 4,5 mm <sup>2</sup> 45A EKF PROxima   | 45         | 12                      | 4,5                           |
| Terminal block TC -1003 up to 35<br>mm <sup>2</sup> 100A EKF PROxima  | 100        | 3                       | 35                            |
| Terminal block TC-1004<br>up to 35 mm <sup>2</sup> 100A EKF PROxima   | 100        | 4                       | 35                            |
| Terminal block TC-1503<br>up to 70 mm <sup>2</sup> 150A EKF PROxima   | 150        | 3                       | 70                            |
| Terminal block TC-1504<br>up to 70 mm <sup>2</sup> 150A EKF PROxima   | 150        | 4                       | 70                            |
| Terminal block TC -2003<br>up to 95 mm <sup>2</sup> 200A EKF PROxima  | 200        | 3                       | 95                            |
| Terminal block TC-2004<br>up to 95 mm <sup>2</sup> 200A EKF PROxima   | 200        | 4                       | 95                            |
| Terminal block TC -3003<br>up to 150 mm <sup>2</sup> 300A EKF PROxima | 300        | 3                       | 150                           |
| Terminal block TC-3004<br>up to 15 mm <sup>2</sup> 300A EKF PROxima   | 300        | 4                       | 15                            |
| Terminal block TC-603 up to 16<br>mm <sup>2</sup> 60A EKF PROxima     | 60         | 3                       | 16                            |
| Terminal block TC-604 up to 16<br>mm <sup>2</sup> 60A EKF PROxima     | 60         | 4                       | 16                            |
| Terminal block TK-0100<br>up to 25 mm <sup>2</sup> 100A EKF PROxima   | 100        | 10                      | 25                            |
| Terminal block TK-020<br>up to 2,5 mm <sup>2</sup> 20A EKF PROxima    | 20         | 10                      | 2,5                           |
| Terminal block TK-030<br>up to 4 mm <sup>2</sup> 30A EKF PROxima      | 30         | 10                      | 4                             |
| Terminal block TK-040<br>up to 6 mm <sup>2</sup> 40A EKF PROxima      | 40         | 10                      | 6                             |
| Terminal block TK-060<br>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                            |

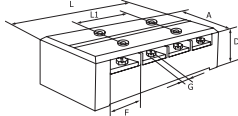


Terminal block TB series

### 3. OVERALL DIMENSIONS

Table 3

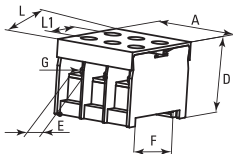
| Item    | L    | L1  | A  | D  | F   | G  |
|---------|------|-----|----|----|-----|----|
| TB-1504 | 55,5 | 46  | 22 | 18 | 7,5 | M3 |
| TB-1506 | 73,5 | 64  | 22 | 18 | 7,5 | M3 |
| TB-1512 | 128  | 118 | 22 | 18 | 7,5 | M3 |
| TB-2504 | 67   | 57  | 30 | 19 | 11  | M4 |
| TB-2506 | 91   | 82  | 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

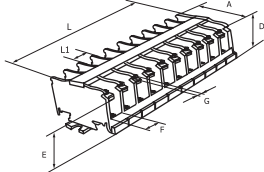
| Item    | L   | L1 | A  | D  | E  | F  | G   |
|---------|-----|----|----|----|----|----|-----|
| TC-603  | 85  | 28 | 43 | 33 | 17 | 17 | M6  |
| TC-604  | 112 | 28 | 43 | 33 | 17 | 17 | M6  |
| TC-1003 | 104 | 34 | 55 | 38 | 17 | 23 | M6  |
| TC-1004 | 136 | 34 | 55 | 38 | 17 | 23 | M6  |
| TC-1503 | 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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