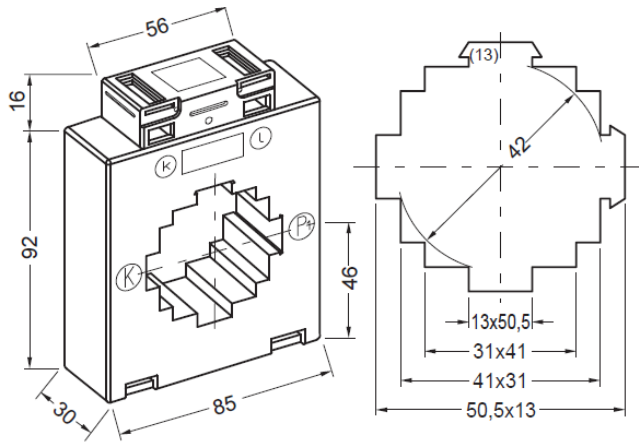


## BUSBAR TYPE CURRENT TRANSFORMER

**8A512.3**



Round conductor  
Primary busbar

Weight

42 mm  
50 x 10 mm  
2 x 30 x 10 mm  
2 x 40 x 10 mm  
320 – 500 g

| I <sub>geo</sub> | Cl.  | RATED PRIMARY CURRENT I <sub>pr</sub> |     |      |     |     |     |     |     |     |      |      | A  |      |
|------------------|------|---------------------------------------|-----|------|-----|-----|-----|-----|-----|-----|------|------|----|------|
|                  |      | 150                                   | 200 | 250  | 300 | 400 | 500 | 600 | 750 | 800 | 1000 | 1250 |    | 1500 |
| 5A               | 1    | 2,5                                   | 2,5 | 2,5  | 2,5 | 2,5 | 5   | 5   | 5   | 5   | 5    | 5    | 5  | VA   |
|                  |      | 3,75                                  | 5   | 5    | 5   | 5   | 10  | 10  | 10  | 10  | 10   | 10   | 10 |      |
|                  |      | 7,5                                   | 7,5 | 10   | 10  | 15  | 15  | 15  | 15  | 15  | 15   | 15   | 15 |      |
|                  |      | 10                                    | 10  | 15   | 15  | 20  | 20  | 20  | 30  | 30  | 30   | 30   | 30 |      |
|                  | 0,5  | 1                                     | 2,5 | 2,5  | 2,5 | 2,5 | 2,5 | 5   | 5   | 5   | 5    | 5    | 5  |      |
|                  |      |                                       |     | 5    | 5   | 5   | 5   | 10  | 10  | 10  | 10   | 10   | 10 |      |
|                  |      |                                       |     | 7,5  | 10  | 10  | 15  | 15  | 20  | 20  | 15   | 15   | 15 |      |
|                  |      |                                       |     | 15   | 15  | 20  | 20  | 20  | 30  | 30  | 20   | 20   | 20 |      |
|                  | 0,5S |                                       |     | 2,5  | 2,5 | 2,5 | 2,5 | 5   | 5   | 5   | 5    | 5    | 5  |      |
|                  |      |                                       |     |      | 5   | 5   | 5   | 10  | 10  | 10  | 10   | 10   | 10 |      |
|                  |      |                                       |     |      |     | 10  | 10  | 15  | 20  | 20  | 15   | 15   | 15 |      |
|                  |      |                                       |     |      |     |     | 15  |     |     |     | 30   | 20   | 20 |      |
|                  | 0,2  |                                       |     |      |     | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 5    | 5    | 5  |      |
|                  |      |                                       |     |      |     |     | 5   | 5   | 5   | 5   | 10   | 10   | 10 |      |
|                  |      |                                       |     |      |     |     |     | 10  | 10  | 10  | 15   | 15   | 15 |      |
|                  |      |                                       |     |      |     |     |     |     |     | 20  | 30   |      | 20 |      |
|                  | 0,2S |                                       |     |      |     |     |     |     | 2,5 | 2,5 | 5    | 5    | 5  |      |
|                  |      |                                       |     |      |     |     |     |     | 5   | 5   | 10   | 10   | 10 |      |
|                  |      |                                       |     |      |     |     |     |     | 10  | 15  |      |      |    |      |
|                  |      |                                       |     |      |     |     |     |     |     |     |      |      |    |      |
| 1 A              | 1    | 2,5                                   | 2,5 | 2,5  | 2,5 | 2,5 | 2,5 | 2,5 | 5   | 5   | 5    | 5    | 5  | VA   |
|                  |      |                                       | 5   | 5    | 5   | 5   | 5   | 5   | 10  | 10  | 10   | 10   | 10 |      |
|                  |      |                                       |     | 7,5  | 10  | 10  | 10  | 10  | 15  | 15  | 15   | 15   | 15 |      |
|                  |      |                                       |     |      | 15  | 20  | 20  | 20  | 30  | 30  | 30   | 30   | 30 |      |
|                  | 0,5  | 1                                     | 2,5 | 2,5  | 2,5 | 2,5 | 2,5 | 2,5 | 5   | 5   | 5    | 5    | 5  |      |
|                  |      |                                       |     | 3,75 | 5   | 5   | 5   | 5   | 10  | 10  | 10   | 10   | 10 |      |
|                  |      |                                       |     |      | 7,5 | 10  | 10  | 10  | 20  | 20  | 15   | 15   | 15 |      |
|                  |      |                                       |     |      |     | 15  | 15  | 20  |     | 30  | 30   | 20   | 30 |      |
|                  | 0,5S |                                       |     |      | 2,5 | 2,5 | 2,5 | 2,5 | 5   | 5   | 5    | 5    | 5  |      |
|                  |      |                                       |     |      |     | 5   | 5   | 5   | 10  | 10  | 10   | 10   | 10 |      |
|                  |      |                                       |     |      |     |     | 10  | 10  | 20  | 20  | 15   | 15   | 15 |      |
|                  |      |                                       |     |      |     |     |     | 15  |     |     | 20   | 20   | 30 |      |
|                  | 0,2  |                                       |     |      |     | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5  | 5    | 5  |      |
|                  |      |                                       |     |      |     |     | 5   | 5   | 5   | 5   | 5    | 10   | 10 |      |
|                  |      |                                       |     |      |     |     |     | 10  | 10  | 10  | 10   | 15   | 15 |      |
|                  |      |                                       |     |      |     |     |     |     | 20  | 20  |      |      | 20 |      |
|                  | 0,2S |                                       |     |      |     |     |     |     | 2,5 | 2,5 | 2,5  | 5    | 5  |      |
|                  |      |                                       |     |      |     |     |     |     | 5   | 5   | 5    | 10   | 10 |      |
|                  |      |                                       |     |      |     |     |     |     |     |     |      |      |    |      |
|                  |      |                                       |     |      |     |     |     |     |     | 10  |      |      |    |      |

## ACCESSORIES (INCLUDED IN THE SCOPE OF SUPPLY):

- 1 pc. primary busbar fixing clamps (type 13)
- 2 pcs. headless set screws M5x35
- 2 pcs. secondary terminal cover (yellow sliders)
- 2 pcs. pressure protective caps for primary busbar set screws

## OPTIONAL ACCESSORIES:

- Primary busbar quick fixing set (type 13-40 or 13-65)
- Snap-on mounting brackets for rail TS35 (DIN EN 60715)
- Copper busbars in different sizes
- Insulating protective caps for primary busbar set screws
- Copper sleeve bush  $d_a = 42$  mm,  $d_i = 14,2$  mm,  $L = 32$  mm (other lengths on request),
- Protective cover to increase the clearance and creepage distance
- Mounting feet

## GENERAL TECHNICAL DATA:

|  |   |
|--|---|
| Highest voltage for equipment $U_m$                | 0,72 kV   |
| Rated power frequency withstand voltage $(r.m.s.)$ | 3 kV / 1 min  |
| Rated frequency                                    | 50 / 60 Hz  |
| Rated continuous thermal current $I_{cth}$         | $1,2 \times I_{pr}$   |
| Instrument security factor                         | FS5 or FS10   |
| Rated short-time thermal current $I_{th}$          | $60 \times I_{pr}$ for 1 sec  |
| Rated dynamic current $I_{dyn}$                    | $2,5 \times I_{th}$   |
| Environmental conditions                           | Indoor use  |
| Ambient air temperature (operating)                | -5°C ... +40°C (other temperatures on request)                                |
| Ambient air temperature (storage / transport)      | -40°C ... +60°C   |
| Short-term temperature of primary conductor        | Max. 170°C for 1 sec  |
| Insulating class                                   | H   |
| Standards  | DIN EN 61869 /1 + 2; DIN VDE 0414<br>DIN EN 42600 /1 + 2                      |
| Enclosure  | Break-proof polyamide, flame retardant  |
| Secondary terminals                                | Nickel-plated crosshead screws (2 Nm),<br>integrated secondary terminal cover |

## SPECIAL DESIGNS (UPON REQUEST):

- Other ratios, burdens or accuracy classes
- Secondary reconnection
- Cast resin encapsulation
- Highest voltage for equipment 1,2 kV