

## multict CTB bushing type current transformer

### Application:

Installation in distribution measurements.  
Maintenance-free thanks to screwless connection technology.



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- Highlights**
- "Cage Clamp®" screwless connection technology
  - Shock- and vibration-resistant
  - UL-certified
  - Low-voltage current transformers for max. operating voltages up to 1.2 kV, can be used in 690 V networks
  - Accuracy class 0,5 and 1

An overall view of **technical details** can be found on the following page.

The current transformers from the multict CTB series are the first current transformers in the world with the "Cage Clamp®" screwless connection technology.

### Maintenance-free

The screwless connection technology with spring terminal makes connections gas-tight and maintenance-free. Thanks to the strong retaining forces, the current transformer can be used even in conditions of high mechanical stress (e.g. vibrations). The spring terminal is designed for solid and flexible conductors up to a max. of 4 mm<sup>2</sup>. This eliminates the need for ferrules.

The current transformers are also UL-certified. With optional accessories, assembly can be made even easier.

### Description

Bushing type current transformers for primary rated currents between 50 A and 2,500 A.

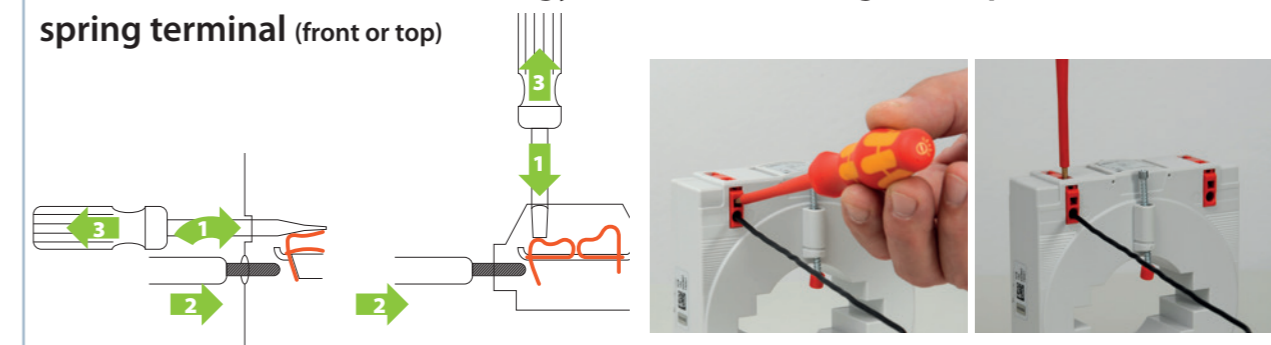
Secondary rated current 1 A or 5 A, in accuracy classes 0.2s or 0.2, 0.5s, 0.5, 1, 3.

## Technical Data

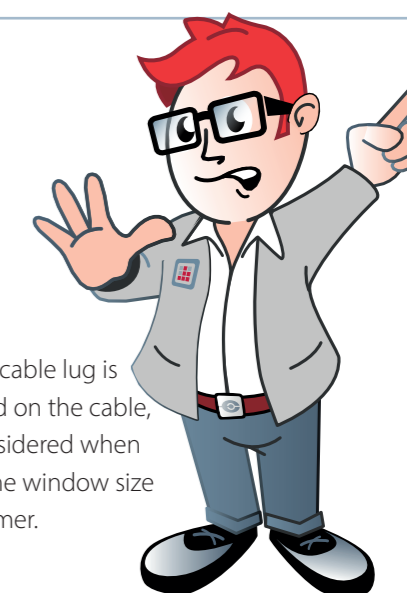
Maximum operating voltage $U_m$	1.2 kV
Rated continuous thermal current $I_{cth}$	$1.2 \times I_n$
Rated short-time thermal current $I_{th}$	$60 \times I_n$ , 1 sec (max. 100 kA)
Rated surge current $I_{dyn}$	$2,5 \times I_{th}$
Overcurrent limiting factor	FS 5 and FS 10
Rated frequency	50 (60) Hz ( $16 \frac{2}{3}$ up to 400 Hz by request)
Insulation class	E
Insulation test voltages	6 kV, 1 min, $U_{eff}$ , 50 Hz ( $U_m \leq 1,2$ kV)
Working temperature range	$-5^\circ\text{C} \leq T \leq +50^\circ\text{C}$
Storage temperature range	$-25^\circ\text{C} \leq T \leq +70^\circ\text{C}$
Applied norms	DIN EN 61869/1+2, DIN 42600-1, DIN 42600-2
Unbreakable plastic housing made of polycarbonate	
Flame-resistant and self-extinguishing in accordance with UL94-V0	
Nickel-plated secondary clamps with plus/minus screws (2 Nm)	

multict CTB on request

## Screwless connection technology thanks to the "Cage Clamp®" spring terminal (front or top)



UL-certified



**CAUTION:** If a cable lug is already pressed on the cable, it must be considered when determining the window size of the transformer.