



Type KS 50-02 size 1, 2 and 3

Low Voltage CT, window type for indoor use

Data sheet



Description

Window type ct in ring core design for indoor use

For bus bars up to 20x12 mm or cables up to Ø 20 mm

Standard accessories: fixing device for primary conductor, 4 mounting feet, transparent terminal cover

Non-standard accessory:

- Twistable snap-on mounting bracket for mounting rail (DIN EN 60715-TH35)
- Bus bars

Mounting in any position

The current transformer is maintenance-free

Technical Data

Standard	IEC 61869-1 and 2
Rated primary currents I_{pr}	50 ... 600 A
Rated secondary currents I_{sr}	1 A or 5 A
Metering classes (depends on primary current)	0.2S; 0.2; 0.5S; 0.5; 1; 3
Rated burdens (depends on primary current and class)	1 ... 15 VA
Number of cores	1 or 2
Highest voltage for equipment U_m	0.72 kV (1.2 kV on request)
Test voltage	3 kV, 50 Hz, 1 min (at U_m 1.2 kV: 6 kV, 50 Hz, 1 min)
Rated frequency	50 Hz (60 Hz on request)
Rated continuous thermal current I_{cth}	1.0 I_{pr} (> 1.0 I_{pr} on request)
Rated short-time thermal current I_{th} 1s	60 x I_{pr} (> 60 x I_{pr} on request)
Rated dynamic current I_{dyn}	2.5 x I_{th}
Instrument security factor	FS5
Phase-to-phase centre line distance	≥ 50 mm
Place of application	Indoor up to 1000 m above sea level (other ranges on request)
Ambient temperature	Operation: -5°C < T < +40° C Storing: -25°C < T < +40° C (other ranges on request)
Insulation class	E
Housing degree of protection	IEC EN 60529, DIN VDE 0470-1: housing: IP50, terminals: IP20
Earthing	See DIN VDE 0100-557
Housing, terminal cover	Shock-resistant plastic housing of polycarbonate, hardly inflammable, self-extinguishing
Secondary terminals	Double connectors, nickel plated brass, combined headed screws of size M5 ($M_A=3.5$ Nm), for wires up to 6 mm ² (stranded) / 10 mm ² (solid)
Outer dimensions W / H / L	50 / 73 / 30, 40 or 50 mm (size 1, 2 or 3)
Weight	≤ 0.8 kg
If no burden is connected, secondary terminals have to be short-circuited.	

Errors excepted and technical modifications reserved.

Ritz Instrument Transformers GmbH, Wandsbeker Zollstr. 92 – 98, D-22041 Hamburg / Germany
Phone +49 40 / 51 123 -0 · Fax +49 40 / 51 123 -111 · www.ritz-international.com

Stand 21.10.2016 TDB 20160048_Rev. 0



GERMANY HAMBURG · WIRGES · KIRCHAICH · DRESDEN
AUSTRIA MARCHTRENK | HUNGARY KECSKEMÉT | CHINA SHANGHAI | USA HARTWELL

