



## Type KS 70-04 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 40x13 (30x20) mm or cables up to Ø 30 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 ... 1000 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	<b>50 Hz</b> (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	≥ 70 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 <sup>2</sup> (stranded) / 10 mm <sup>2</sup> (solid)
Outer dimensions W / H / L	70 / 94 / 30, 40 or 50 mm (size 1, 2 or 3)
Weight	≤ 1.2 kg
<b>If no burden is connected, secondary terminals have to be short-circuited.</b>	

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

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