



## Type KSO 311

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 1x 100x10 (2x 80x10) mm or cables up to Ø 60 mm

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

Non-standard accessory:

- Bus bars

Mounting in any position

The current transformer is maintenance-free

#### Technical Data

Standard	IEC 61869-1 and 2
Rated primary currents $I_{pr}$	500 ... 2500 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)	5 ... 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 (depends on burden)	≤ 1500 A: FS5 > 1500 A: FS10
Phase-to-phase centre line distance	≥ 135 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 4 mm <sup>2</sup> (stranded) / 6 mm <sup>2</sup> (solid)
Outer dimensions W / H / L	135 / 160 / 62 mm
Weight	≤ 1.6 kg
<b>If no burden is connected, secondary terminals have to be short-circuited.</b>	

Errors excepted and technical modifications reserved.

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