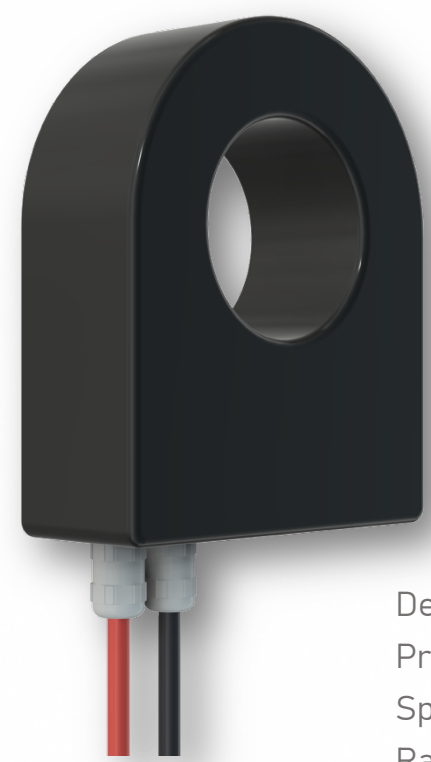




CURRENT SENSOR

ExxxRV

Indoor Current Sensor/Transformer for Through-Hole Cable Installation
Toroidal Core 12kV CT RV Shape (ID 65mm)
IEC 61869-1, IEC 61869-10



Type:	Current sensor/ transformer
Primary type:	100A (standard)
Shape:	Toroidal Core 12kV RV Shape [ID: min. 40mm]
Burden:	≥10kΩ // 0.1VA / 1VA / 5VA for lxxxRV
Accuracy:	0.5 standard and/or protection class
Frequency:	50/60Hz (standard)
Primary value:	100A (or custom)
Secondary value:	225mV standard // 0.1A/ 1A/ 5A for lxxxRV
Extension:	120% standard (400% max.)
Isolation-level:	12 / 28 / 75 kV
Cable length:	2m standard (or custom)
Cable type:	2 pole separated MV Signal Cable, unscreened
Connection type:	Open-end (or custom)
Measuring burden:	≥10kΩ // 0.1VA / 1VA / 5VA for lxxxRV
Storage temperature:	-40°C – 75°C
Service temperature:	-25°C - +60°C (constant) / -40°C – 75°C (short-term)
Temperature error:	-0.1%@60°C/ +0,15%@-25°C/ -0,2%@75°C/ +0.2%@-40°C max.
TC (equivalent):	Maximal ±30PPM / Typical ±20PPM / Minimal ±<20PPM PTC
Power rating/ consumption:	<1VA // equals measuring burden for lxxxRV

Additional Information:

Data Fields in Green are customer-defined, and therefore vary with specific product
Every specific product has a specific code
All this specific data fields are also shown in the official offers and orders
All data is locked to a specific no/ code, so if a value changes this code will change

Describes the type of measuring product
Primary current value for fast identification/ primary product code value
Specified shape / dimensions
Rated burden of product (standard >10kΩ) / 1VA standard for classic CTs
Accuracy class(es) according to specified standard, depends on ratio
Applicable base net frequencies, depends on region
Primary value @ line = primary (ratio) / standard ratios see tabloid next page
Secondary value @ IED = secondary (ratio) / standard ratios see tabloid next page
Upper measuring limit within accuracy class / limited by I _{cont} of given ratio
Isolation level according to specified standard – for use on screened MV cables
Length of specific cable
Generic description of implemented cable
Interconnection between the sensor (transformer) and IED = input connection
Measuring burden @ testing bench, equals IED(s) input impedance/ used burden (CTs)
Maximal storage temperature range, avoid extremes for longer than 72h
Permitted constant and short-term ambience temperatures in operation
Maximal deviations in percent at temperature extremes
Corresponding temperature coefficient in parts per million (curve = quasi-linear)
Power consumption @ nominal primary value / equals burden for classic CTs

