

CURRENT SENSOR

LxxxTE

Indoor Low Voltage Current Sensor for Retrofit Cable Installation
Flexible Split Core BECO Shape TE
IEC 61869-1, IEC 61869-10

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|----------------------------|--|
| Type: | Current sensor |
| Primary type: | 300A (or 400A) |
| Shape: | Flexible Split Core BECO Shape TE |
| Burden: | >10kΩ |
| Accuracy: | 1 (FS5) |
| Frequency: | 50/60Hz (standard) |
| Primary value: | 300A / 400A (other variants on request) |
| Secondary value: | 225mV standard (or 333mV) |
| Extension: | 120% standard (400% max.) |
| Isolation-level: | - / 0.72 / 3 kV |
| Cable length: | 2m standard (available lengths: 3.7m / 5m / 8m / 10m) |
| Cable type: | 2 pole, 0.34, twisted pair, grey, shielded + braid, assembled 80°C |
| Connection type: | Open-end (standard) / RJ45 (variable pinning) / BNC |
| Measuring burden: | >10kΩ [maybe >30kΩ on low primaries] |
| 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 |

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

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