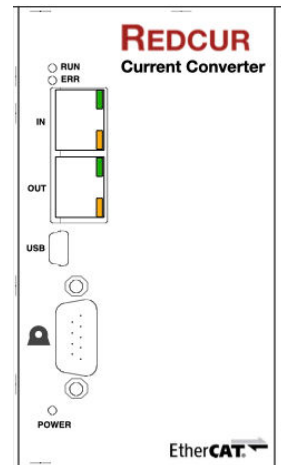


EtherCAT Current Converter

Brings LEM/SIGNALTEC High Precision Current Transducers to EtherCAT

Features

- 24-Bit ADCs
- Up to +/-2.000 A DC
- Included Power Supply for Current Transducer
- Metal housing for high EMC immunity
- EtherCAT Interface
- Configurable through CoE
- Calibration Service (optional)
- Transducer Overload Protection
- Power Supply 9-36V DC



Standards/Compliance

- EtherCAT®
- Health and Safety: EN 61010-1:2010 / EN 61010-2-030:2010
- RoHS: EN IEC 63000:2018

Specification

Power Supply	100-240V, 1A (max) AC, 50/60 Hz
Power Consumption	2.5W + LEM Sensor (see www.lem.com)
Mounting	DIN Rail
Weight	0.87kg
Dimensions (HxWxD) in mm	120x67x113
EtherCAT Cycle Time (min.)	50µs
EtherCAT Data Transfer	Single and Oversampling (16)
ADC Resolution	24 Bit
ADC Technology	$\Delta\Sigma$ (Delta-Sigma)
Filtering	Lowpass ~0.5 x ADC Data Rate (Anti Aliasing)
Accuracy	0.005% of Measuring Range
Maintenance Interface	USB
Sensor Interface	LEM proprietary 9-pin D-Sub

EtherCAT Parameters

- Averaged Current
- Array of 16 Current Values for Bulk Transfer
- Operational Status / Overload Protection of the LEM transducer
- Overrun detection of AD converters (plus LED indicator)
- Offset - adjustable (manual/automated)

Product Variants

Variant	Transducer
ECC-CT100	CT100
ECC-CT200	CT200
ECC-CT400	CT400
ECC-CT500	CT500
ECC-CT1000	CT1000
ECC-CT2000	CT2000

Cables

The following length restrictions apply to the cable connection the ECC:

Length	Wire Cross Section (minimum)
≤ 5m	0.34mm ²
> 5m ≤ 10m	0.75mm ²
> 10m	Not supported!

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