

EtherCAT Current Converter

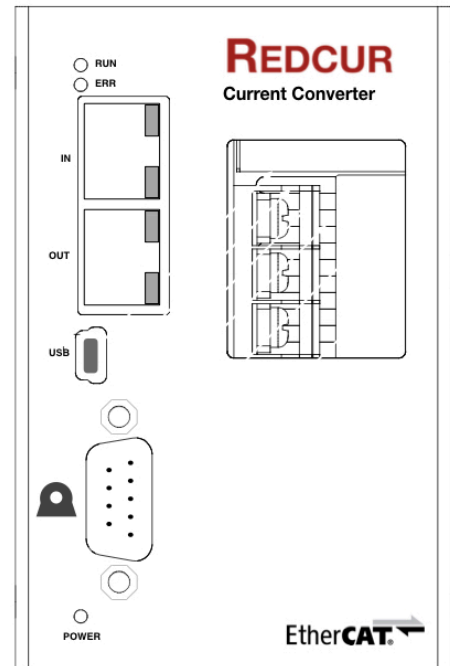
Brings LEM High Precision Current Transducers to EtherCAT.

Features

- 24-Bit A/D conversion
- Power Supply for Transducer
- Metal housing for high EMC immunity
- Configurable through CoE
- Calibration Service (optional)
- Supports LEM IT, IN and ITN series
- Transducer Overload Protection

Standards/Compliance

- EtherCAT®
- EN61010-1: 2010



Specification

AC Line Input	100-240V AC, 50/60Hz
Power Consumption	2,5W + LEM Sensor (see www.lem.com)
Mounting	DIN Rail
Weight	0,85kg
Dimensions (HxWxD) in mm	103x67x113
EtherCAT Cycle Time	100µs -100 Milliseconds
EtherCAT Data Transfer	Single, Bulk transfer up to 16 Measurements
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 D-SUB9 Pin

EtherCAT Parameters

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

Product Variants

Variant	Suitable Transducer
ECC-100	IT 60-S
ECC-200	IT 200-S IT 400-S
ECC-400	ITN 600-S IT 700-S
ECC-667	IN 1000-S
ECC-1000	IT 1000-S IN 2000-S

Other LEM transducers of IN/IT/ITN series upon request

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