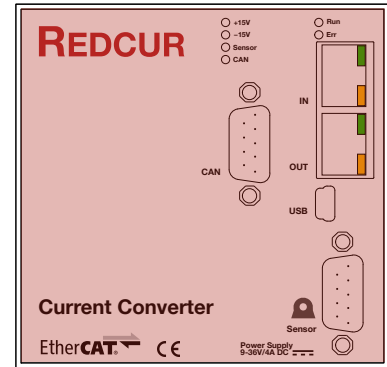


EtherCAT Current Converter

Brings LEM/SIGNALTEC High Precision Current Transducers to EtherCAT

Features

- 24-Bit ADC
- 60ppm Accuracy of Measurement Range
- Up to +/-2.000 A DC
- Included Power Supply for Current Transducer
- EtherCAT Interface
- CAN Bus Interface
- Calibration Service (optional)
- Transducer Overload Protection



Standards/Compliance

- EtherCAT®
- CAN Bus ISO 11898
- Health and Safety: EN 61010-1:2010 / EN 61010-2-030:2010
- RoHS: EN IEC 63000:2018

Specification

Power Supply	9 - 36 V DC
Power Consumption	22 W max.
Mounting	DIN Rail
Weight	0.35kg
Dimensions (HxWxD) in mm	100x90x117
EtherCAT Cycle Time (min.)	50µs
EtherCAT Data Transfer	Single and Oversampling (8)
CAN Interface	D-SUB9 (CiA DS-102)
CAN Speed (max.)	1 Mbps
CAN Cycle Time (min.)	1 ms
Temperature operation/storage	+5 °C to +40°C / +5 °C to +60 °C
Relative Humidity	0 % to 70 %, non-condensing
ADC Resolution	24 Bit
ADC Technology	ΔΣ (Delta-Sigma)
Filtering	Lowpass ~0.5 x ADC Data Rate (Anti Aliasing)

Accuracy	0.006% of Measuring Range
Maintenance Interface	USB
Sensor Interface	LEM proprietary 9-pin D-Sub

EtherCAT Parameters

- Averaged Current
- Array of 8 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)

CAN Bus Parameters

- Averaged Current
- Operational Status / Overload Protection of the LEM transducer
- Overrun detection of AD converters (plus LED indicator)

Warranty

- 36 Months on System Functionality
- 15 Months on Specified Accuracy

Product Variants

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

Redcur GmbH
Reutersbrunnenstraße 27
90429 Nürnberg
Germany

info@redcur.com
www.redcur.com