Data sheet

CMA-3151-250-AO-24DC-05

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Current transformer with analogue output
The simple conversion of "large" currents (100 - 500 A AC) into an analogue value without intermediate steps. Suitable for downstream devices, e.g. limit value detection.

General ordering data

Version	Primary current: 250 A, Output : 0(4)-20 mA, 0(2)-10 V, Load: 1 VA
Order No.	1531930000
Type	CMA-3151-250-AO-24DC-05
GTIN (EAN)	4050118337204
Qty.	1 items
Manufacturer	MBS AG

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	71 mm	Depth (inches)	2.7953 inch
Height	117.8 mm	Height (inches)	4.6378 inch
Width	80 mm	Width (inches)	3.1496 inch
Net weight	250 g		

Temperatures

Storage temperature		Operating temperature	-20 °C...60 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Measuring voltage input

Frequency range, max.	60 Hz	Frequency range, min.	40 Hz

Dimensions of live conductors

Round conductor	28.00 mm	Rail	30 x 10 mm

Electrical attributes

Tolerance class	0,5	Nominal turns ratio	10 kA/V
Secondary current	0...0.02 A	Load	1 VA
Primary current	250 A		

Technical properties

Protection degree	IP20	Insulation class	E
Thermal rated continuous current Ithermal	1.5 x Irated	Nominal frequency	50 Hz

Output

Output voltage, note	0...10 V, 2...10 V (with 24 V DC auxiliary voltage)	Output current	0...20 mA, 4...20 mA (with 24V DC auxiliary voltage)

Insulation coordination

Test voltage	4 kV	Galvanic isolation	between input/output
Tolerance class	0,5		

Classifications

ETIM 8.0	EC002048	ETIM 9.0	EC002048
ETIM 10.0	EC002048	ECLASS 14.0	27-21-09-02
ECLASS 15.0	27-21-09-02		

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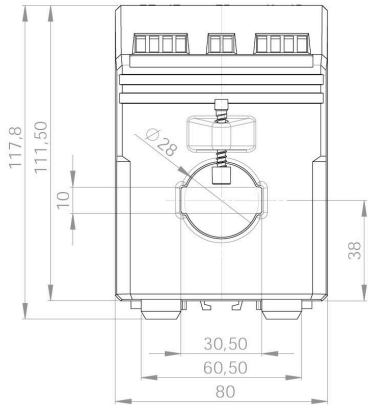
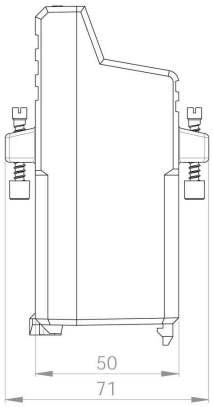
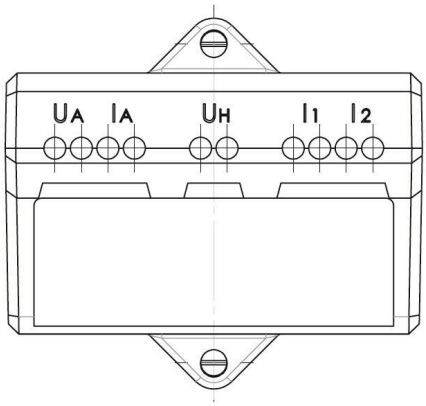
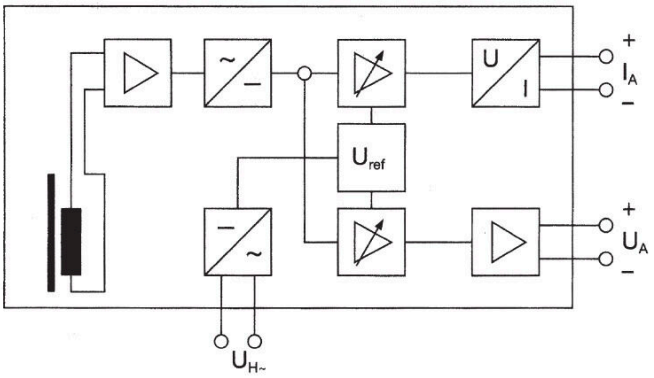
Drawings







Connection diagram



Connection diagram