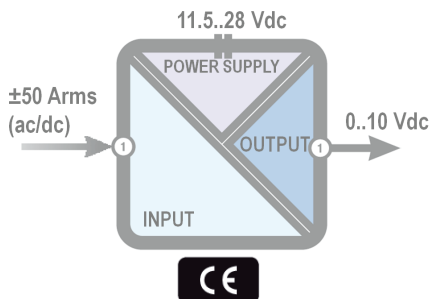




# T201DCH

## AC/DC TRMS DIRECT AND ALTERNATE CURRENT TRANSFORMER



T201DCH is an isolated, contact-less direct and alternating TRMS current transducer. The device's function and look are very similar to those of an active standard CT, but with the remarkable feature of measuring the continuous component of the pass-through current. For its electrical endurance, ease of use and compact dimensions, the T201DCH fits every kind of current measurement up to 50 Adc or 50 Aac.

### TECHNICAL SPECIFICATIONS

#### GENERAL DATA

Power Supply	11,5..28 Vdc
Protection	Polarity reversal, over-temperature
Power consumption	21 mA (without load)
Protection index	IP20
Accuracy class	0,5
Resolution	12 bit
Temp. coefficient	< 200 ppm/°C
Response time	800..2.000 ms
Measure hysteresis	0,15% f.s.
Operating temp.	-10..+65°C
Weight	47 g
Dimension	41 x 44 x 26 mm (without terminals)
Case	PBT, black

#### INPUT DATA

Limit values	-50 A..50 A AC/DC
Measure type	TRMS
Range	±50 A rms o ±25 Arms (settable by DIP switch)
Peak	2
Pass band	2,5 kHz
Isolation	1 kVdc on bare wire
Overcurrent	2.000 A impulsive, 300 A permanent

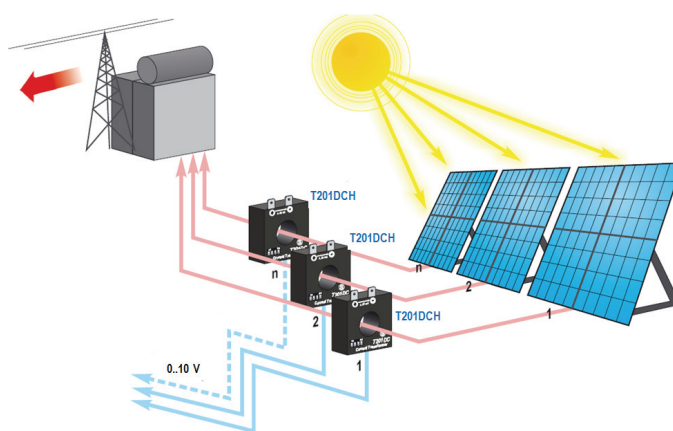
#### OUTPUT DATA

Type	0..10 Vdc (min load 2 kΩ)
Connection	Screw terminal pitch 5,08 mm for max 2,5 mm <sup>2</sup> cable
Hole diameter	12,3 mm

#### STANDARD

Approval	CE
Norms	EN 61000-6-4 EN 64000-6-2 EN 61010-1

### APPLICATION NOTE



Current measurement and conversion by photovoltaic string

### ORDER CODES

Code	Description
T201DCH	AC/DC contact-less alternate and direct current transformer, DIN rail connector included

### ACCESSORIES



BC-CT

Battery connector for current transformer



T LINE CONNECTOR

DIN rail plastic connector for T-Line products (spare part, included in bundle)

### SIMILAR PRODUCTS



T201

AC Current Transformer to DC current (4..20 mA - loop powered)



T201DC

DC Current Trasducer to DC current (4..20 mA - loop powered)



T201DC-100

Passive current transducers 100 Adc for 4..20 mA current loop