

T201 SERIES - CURRENT TRANSDUCERS

AC/DC CURRENT TRANSDUCERS WITH 4-20 mA OUTPUT

	T201	T201DC	T201DC100
	  <p>AC current transducer 0..40 Aac, 4..20 mA loop powered output</p>	   <p>Bipolar DC current transducer 0..40 Adc, 4..20 mA output, patented inductive measurement technology</p>	   <p>Bipolar DC current transducer 0..100 Adc, 4..20 mA output, patented inductive measurement technology</p>
GENERAL DATA			
Power supply	Loop powered (5..28 Vdc)	Loop powered (6..100 V)	Loop powered (6..100 V)
Power consumption	< 21 mA	< 21 mA	< 21 mA
Isolation and protections	3 kVac (on bare conductors)	3 kVac (on bare conductors)	3 kVac (su conduttori nudi)
LED status indicators	-	-	-
Overvoltage category	300 V CAT III (bare conductor); 600 V CAT III (insulated conductor)	300 V CAT III (bare conductor); 600 V CAT III (insulated conductor)	300 V CAT III (bare conductor); 600 V CAT III (insulated conductor)
Polarità di misura	Positivo (corrente entrante lato etichetta)	Positivo (corrente entrante lato etichetta)	Positivo (corrente entrante lato etichetta)
Polarity measurement	Positive (label-side incoming current)	Positive (label-side incoming current)	Positive (label-side incoming current)
Settings	DIP Switch	DIP Switch	DIP Switch
Data export and archiving	-	-	-
Protection degree	IP20	IP20	IP20
Accuracy class	0.2% f.s. (AC)	0.2% f.s. (DC)	0.2% f.s. (DC)
Operating temperature	-20..+65°C	-10..+65°C	-10..+65°C
Storage temperature	-40..+85°C	-40..+85°C	-40..+85°C
Humidity	10RH..90% non condensing	10RH..90% non condensing	10RH..90% non condensing
Altitude	Up to 2,000 m a.s.l.	Up to 2,000 m a.s.l.	Up to 2,000 m a.s.l.
Core	Closed	Closed	Closed
Connections	Removable terminals (5-pole), 5 mm pitch for cables up to 2.5 mm ²	Removable terminals (5-pole), 5 mm pitch for cables up to 2.5 mm ²	Removable terminals (5-pole), 5mm pitch for cables up to 2.5mm ²
Through-hole diameter	12.3 mm	12.3 mm	20,8 mm
Dimension (wxhxd)	41x44x26 mm	41x44x26 mm	95x68x26 mm
Mounting	Free mounting or on IEC EN 60715 DIN rail (35 mm) with supplied accessories	Free mounting or on IEC EN 60715 DIN rail (35 mm) with supplied accessories	Free mounting or on IEC EN 60715 DIN rail (35 mm) with supplied accessories
Case	PA6, color black	PA6, color black	PA6, color black
Weight	47 g	47 g	120 g
Approvals	CE, UL-UR	CE, UL-UR, European patent	CE, UL-UR, European patent
COMMUNICATION			
Communication port	-	-	-
Protocol	-	-	-
Speed	-	-	-
INPUT DATA			
Channels	1	1	1
Range	0-5/10/15/20/25/30/35/40 Aac	Single-pole 0-5/10/20/40 Adc Bipolar ±5/10-±20/40 Adc	Single-pole 0-10/25/50/100 Adc Bipolar ±10, 25, -10-50, -25-100 Adc
Type of measurement	Adjusted average	Magnetic balancing	Magnetic balancing
Bipolar measurement	No	Yes	Yes
Hysteresis	-	-	-
Overload	800 A	800 A	2000 A (impulsive)
Bandwidth	20..1,000 Hz	n.d.	n.d.
Crest factor	2	1,2	1,2
OUTPUT DATA			
Analog channels	1	1	1
Range	4..20 mA (2 wires)	4..20 mA (2 wires)	4..20 mA (2 wires)
Resolution	infinite	12 bits	12 bits
Max load	< 5000 Ohms @ 100 Vdc	-	-
Error for EMI	< 40µA	< 50µA	< 50µA
Thermal drift	< 150 ppm/K	< 150 ppm/K	< 150 ppm/K
Response time	100 ms (without filter) 2.5 s (with filter)	100 ms (without filter) 600 ms (with filter)	100 ms (without filter) 600 ms (with filter)
CONDUCTOR SIZING			
Max cable cross section	25 mm ²	25 mm ²	120 mm ²
Max cable diameter	10 mm (H07V-K)	10 mm (H07V-K)	20 mm (H07V-K)
Max through-bar size	-	-	2 coupled 12x5 mm bars with a maximum capacity of 334 A (T 30°C) or 440 A (T 50°C)

Technical data, diagrams and images are to be considered indicative and not binding