



ELECTRONICS PRODUCTS > TRANSDUCERS > CURRENT TRANSDUCERS

CT3N-AC-24

Stock Keeping Unit (SKU): 600112

Isolated True RMS Current Transducers, AC input, 10-36V supply

Commercial Information

Product Sales Code	600112
Package Unit	1 pcs.
Customs Tariff Number	854370900019
Weight Per Unit Including Packaging	0.081 kg.

Technical Information

GENERAL	
Connection Type	Screw terminal
Protection Class	IP20
Weight (g)	81
Pack Quantity	1
Housing Width (mm)	36
Mounting Type	Panel or Rail
Insulation	1.5 kVrms, 3-way
Response Time	350ms
Linearity	<0.2%
Ripple	<80mV
Sensitivity	<0.2% (full scale, 25°C)

Temperature Coefficient	150 ppm/°C
Input-to-Output Test Voltage	4 kV during 1 min.

CURRENT MEASUREMENT INPUT

Power Consumption	<1.5W DC / <4VA AC
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POWER SUPPLY

Voltage	10-36V DC
Frequency	--

ENVIRONMENTAL CONDITIONS

Operating Temperature	-20°C +60°C
Storage Temperature	-40°C +75°C
Relative Humidity (Non-condensing)	Max. 95%

EMC/EMI

Radiated Emission Test (IEC 61000-6-2/AC)	2012, 61000-6-4
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INPUT SIGNAL

Frequency	40-70 Hz
Instantaneous Overload	20xin (100 A) for 1 sec.
Continuous Overload	10A (2x Rated IN)

ADJUSTABLE INPUT SIGNAL VOLTAGE RANGE

0-24 V AC	-
0-36 V AC	-
0-54 V AC	-
0-80 V AC	-
0-120 V AC	-
0-170 V AC	-
0-250 V AC	-
0-400 V AC	-
0-450 V AC	-
0-500 V AC	-

0-24 V DC	-
0-54 V DC	-
0-120 V DC	-
0-250 V DC	-
0-450 V DC	-

ADJUSTABLE INPUT SIGNAL CURRENT RANGE
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0-1 A AC	+
0-2 A AC	+
0-3 A AC	+
0-4 A AC	+
0-5 A AC	+

OUTPUT TYPE

0-20 mA	+
4-20 mA	+
20 mA	+
20-0 mA	+
20-4 mA	+
0-5 V	+
10 V	+
10-0 V	+

ANALOG OUTPUT

Max. Current	24 mA
Max. Voltage	12V
Max. Load	10 Ohm (for voltage) / 600 Ohm (for current)