SINGLE-PHASE AC CURRENT TRANSDUCER *MODEL* DCT-

DIN-RAIL-MOUNTED AC CURRENT TRANSDUCER

FEATURES

- Accurate, reliable measurement.
- Both 1 and 5A ranges are available.
- Compact DIN Rail packaging.

APPLICATIONS

- Designed for use in OEM applications which require inexpensive current measurement.
- Designed for installations that require CE and CSA approvals.
- Perfect for applications that require DIN-Rail mounting.

INPUT	STANDARD OUTPUTS MODEL DCT-				
AC AMPS	0 - 1mAdc*	4 - 20mA	4 - 20mA**	0 - 10Vdc	0 - 5Vdc
0 - 1 0 - 5	001A 005A	001E 005E	001E2 005E2	001C 005C	001CX5 005CX5

*A models are self-powered from measured line.
**4-20mA loop-powered models require 12-32Vdc.
Standard E, C, CX5 models require 100-135Vac instrument power.
For optional 220Vac instrument power - Add suffix **"- 22"**.

Transducer output is derived from the arithmetic mean value of the input and calibrated in terms of the RMS value of the sine wave input.

ORDERING INFORMATION

Example:
5 Amps AC Input with 4-20mA Output.
DCT - 005E

SPECIFICATIONS

INPUT

Current ..... 0-1A or 0-5A
Frequency Range 50/60Hz
Burden ..... <1.5VA F.S.
Current Overload
Continuous ..... 120% of F.S. Input
1s, Transient ..... 20 X F.S. Rating

DIELECTRIC TEST

Input to Instrument Power/Output/Case 3700Vac
Instrument Power to Output/Case 3700Vac
Output to Case 490Vac

INSTRUMENT POWER

"A" models ..... none required
"E", "C", "CX5" models... 100-135Vac, 50/60Hz, 3.0VA
"E2" models ..... 12-32Vdc, loop-powered
"-22" Option ..... 230Vac, 50/60Hz, ±15%

OUTPUT

Output Loading
"A" models ..... (0-1mA output) 0-15kΩ
"C", "CX5" models (5V &10V) ..... 2.5kΩ Min.
"E" models ..... (4-20mA) 0-750Ω
"E2" models ..... (loop powered) ..... 0-600Ω@24V
Response Time 300ms

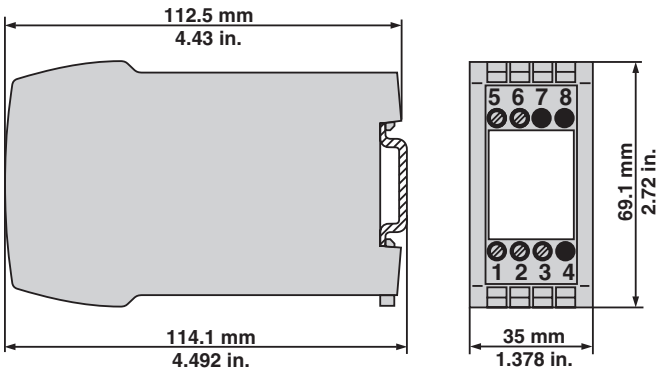
ACCURACY

Accuracy ..... ±0.5% F.S. @ 60Hz
Includes effects of linearity and setpoint.
Output Ripple ..... Less than 1.0% p.p.

TEMPERATURE & PHYSICAL

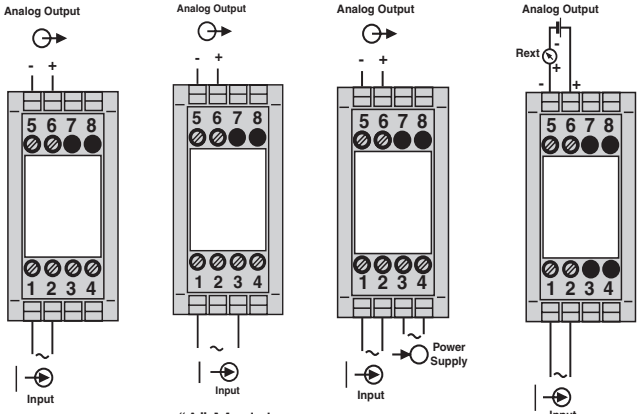
Operating Range ..... -10ºC to 55ºC
Termination ..... wire size up to 10AWG
Net Weight ..... 0.65 lb

CASE DIMENSIONS



Mounted on 35mm top-hat DIN-rail.

CONNECTION DIAGRAMS



"A" Models 1A | "A" Models 5A | "E", "C" & "CX5" Models | "E2" Models

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