DIN RAIL MOUNTED AC CURRENT TRANSDUCER

FEATURES

- · Ruggedized Polyamide DIN mount case.
- Slim profile allows maximum use of available space.
- Field selectable analog outputs. "A" Models only.
- Recessed terminals provide increased safety.

INPUT	STANDARD OUTPUTS MODEL MCT5-			
AC AMPS	0-1mAdc*	4-20mAdc	4-20mAdc**	
0 to 1 0 to 5	001A 005A	001E 005E	001E2 005E2	

*Models are self-powered from measured AC input line with DIP switch selectable 0-1mA, 0-5Vdc, or 0-10Vdc output.

**Denotes 4-20mA loop-powered unit, (15-40Vdc).

All other units require 85-135Vac instrument power.

1" wide case can be mounted on Rail EN50035 (DIN 1) or Rail EN50022 (DIN2).

Transducer output is derived from the average absolute value of the input and calibrated as the RMS value of a sine wave input.

APPLICATIONS

- · Ideal for use in enclosures with dimensional constraints.
- · Designed for industrial environments.
- · OEM measurement systems.
- Designed for use with current transformers.
- Easily integrated into control systems.





ORDERING INFORMATION

Example: 0-5A Input with 4-20mA Output. MCT5-005E



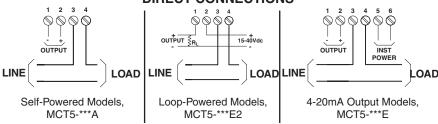
SPECIFICATIONS

See Table
48 to 65Hz, 60Hz Nom.
1 Amp models 0.05VA
5 Amp models 0.175VA
•
(continuous)
(10Sec./Hr.)
1500Vac
<1.0% F.S.
(99%)400ms
<u>+</u> 5%
Wire Size 22 to 12 AWG

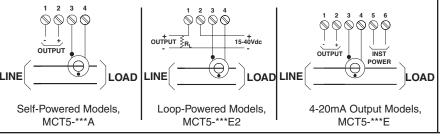
OUTPUT LOADING (Ω)		
4-20mA		0-500
4-20mA(24V Loop Power)		0-600
Field Selectable		
0-1mA		0-10K
0-5Vdc		>5M
0-10Vdc		>10M
ACCURACY (@ 60Hz)		<u>+</u> 0.25% F.S.
Includes effects of linearity a		
Temperature Effect (-20°C to +65°	°C) ± 1.0%
E Output	-20°C to +40°	°C) ± 1.0%
Instrument Power		•
4-20mA	85-135Vac,	50/60Hz,3.0VA
Loop Powered		15-40Vdc
Weight		0.4 Lb.

CONNECTION DIAGRAMS

DIRECT CONNECTIONS



USING CURRENT TRANSFORMERS

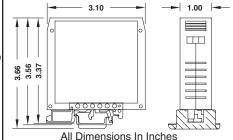


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CASE DIMENSIONS

UNIT CAN BE MOUNTED ON: RAIL EN50035 (DIN 1) RAIL EN50022 (DIN 2)



OUTPUT SELECTIONS MCT5-*A**

Output	Switch Pos. 1	Switch Pos. 2	OFF ON S1 S2	○ ○ ○ ○ 1 2 +
0-1mA 0-5V 0-10V	OFF ON ON	OFF ON OFF		ZERO
Units are shipped with 0-1mA setting. Remove snap button for access to dip switches.				

FLEX-CORE®

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