

Current Transducers, Voltage Output

Medium Current Ranges



DESCRIPTION

The E682x and H681x-V Series of current transducers provide a safe voltage output for use with data loggers, chart recorders, and power monitoring equipment. E682x devices are solid-core with 0-0.333VAC output, while H681x CTs are split-core and have 0-0.333VAC and 1VAC output options.

APPLICATIONS

- Data logging
- Recording
- Power monitoring
- Energy management
- Alternative energy monitoring
- Cost allocation

FEATURES

- High accuracy: $\pm 0.5\%$ from 5% to 120% of rated current for E682x or $\pm 1\%$ from 10% to 100% of rated current for H681x
- 0.333V and 1VAC output versions available
- UL recognized

SPECIFICATIONS (Solid-Core)



<i>Inputs:</i>	
Frequency Range	50/60 Hz
Leads	6', 20', or 35' (see Ordering Information)
<i>Accuracy:</i>	
Accuracy	$\pm 0.5\%$ of reading from 5% to 120% of rated current
<i>Outputs:</i>	
Output at Rated Current	0.333VAC
<i>Mechanical:</i>	
Insulation	600VAC
<i>Environmental:</i>	
Operating Temperature Range	-40° to 85°C (40° to 185°F)
Storage Temperature Range	-50° to 105°C (-58° to 221°F)
Humidity Range	0-95% noncondensing

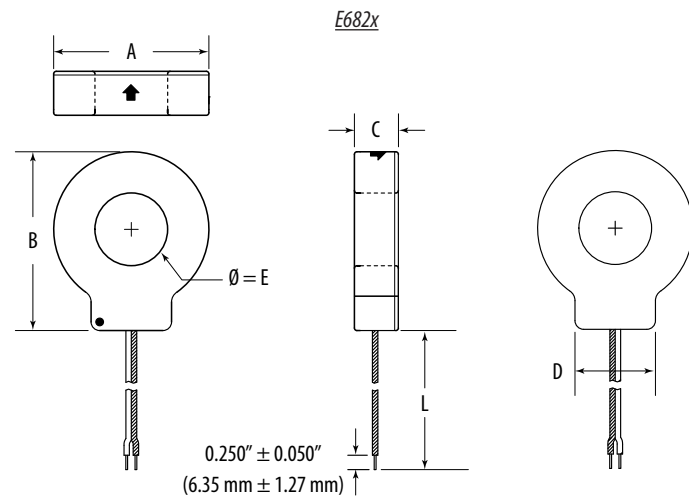
cURus, CE

SPECIFICATIONS (Split-Core)

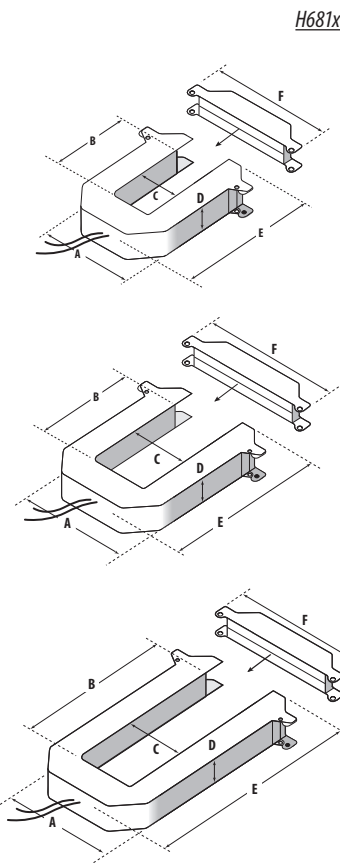


<i>Inputs:</i>	
Frequency Range	50/60 Hz
Leads	6 ft (1.8 m)
<i>Accuracy:</i>	
Accuracy	$\pm 1\%$ of reading from 10% to 100% of rated current
<i>Outputs:</i>	
Output at Rated Current	0.333 or 1VAC
<i>Mechanical:</i>	
Insulation	600VAC
<i>Environmental:</i>	
Operating Temperature Range	-15° to 60°C (5° to 140°F)
Storage Temperature Range	-40° to 70°C (-40° to 158°F)
Humidity Range	0-95% noncondensing
Safety	UL61010, EN61010

DIMENSIONAL DRAWINGS



Model	L	A	B	C	D	E
E682A051V3	6' (1.8 m)	1.3" (32 mm)	1.5" (38 mm)	0.7" (16 mm)	0.8" (21 mm)	0.4" (19 mm)
E682A051V3R20	20' (6.1 m)					
E682A051V3R35	35' (10.7 m)					
E682A101V3	6' (1.8 m)					
E682A101V3R20	20' (6.1 m)	2.3" (57 mm)	2.6" (65 mm)	0.7" (17 mm)	1.2" (30 mm)	1.0" (25 mm)
E682A101V3R35	35' (10.7 m)					
E682C201V3	6' (1.8 m)					
E682C201V3R20	20' (6.1 m)					
E682C201V3R35	35' (10.7 m)	2.8" (70 mm)	3.2" (80 mm)	1.0" (25 mm)	1.4" (36 mm)	1.25" (31 mm)
E682D401V3	6' (1.8 m)					
E682D401V3R20	20' (6.1 m)					
E682D401V3R35	35' (10.7 m)					



H6810 SMALL (SIZE 2) 100/300 Amp

A =	3.8"	(96 mm)
B =	1.2"	(30 mm)
C =	1.3"	(31 mm)
D =	1.2"	(30 mm)
E =	4.0"	(100 mm)
F =	4.8"	(121 mm)

H6811 MEDIUM (SIZE 3) 400/800 Amp

A =	4.9"	(125 mm)
B =	2.9"	(73 mm)
C =	2.5"	(62 mm)
D =	1.2"	(30 mm)
E =	5.2"	(132 mm)
F =	6.0"	(151 mm)

H6812 LARGE (SIZE 4) 800/1600/2400 Amp

A =	4.9"	(125 mm)
B =	5.5"	(139 mm)
C =	2.5"	(62 mm)
D =	1.2"	(30 mm)
E =	7.9"	(201 mm)
F =	6.0"	(151 mm)

ORDERING INFORMATION

Solid-Core  

MODEL	DESCRIPTION
E682A051V3	Solid-core CT, 50A:0.333V, 0.4 in ID, 6 ft leads
E682A051V3R20	Solid-core CT, 50A:0.333V, 0.4 in ID, 20 ft leads
E682A051V3R35	Solid-core CT, 50A:0.333V, 0.4 in ID, 35 ft leads
E682A101V3	Solid-core CT, 100A:0.333V, 0.4 in ID, 6 ft leads
E682A101V3R20	Solid-core CT, 100A:0.333V, 0.4 in ID, 20 ft leads
E682A101V3R35	Solid-core CT, 100A:0.333V, 0.4 in ID, 35 ft leads
E682C201V3	Solid-core CT, 200A:0.333V, 1.0 in ID, 6 ft leads
E682C201V3R20	Solid-core CT, 200A:0.333V, 1.0 in ID, 20 ft leads
E682C201V3R35	Solid-core CT, 200A:0.333V, 1.0 in ID, 35 ft leads
E682D401V3	Solid-core CT, 400A:0.333V, 1.25 in ID, 6 ft leads
E682D401V3R20	Solid-core CT, 400A:0.333V, 1.25 in ID, 20 ft leads
E682D401V3R35	Solid-core CT, 400A:0.333V, 1.25 in ID, 35 ft leads

Split-Core  
E207042

MODEL	DESCRIPTION
H6810-100A-.3V	Split-Core CT, Size 2, 100A:0.333V
H6810-200A-.3V	Split-Core CT, Size 2, 200A:0.333V
H6810-300A-.3V	Split-Core CT, Size 2, 300A:0.333V
H6811-400A-.3V	Split-Core CT, Size 3, 400A:0.333V
H6811-600A-.3V	Split-Core CT, Size 3, 600A:0.333V
H6811-800A-.3V	Split-Core CT, Size 3, 800A:0.333V
H6812-800A-.3V	Split-Core CT, Size 4, 800A:0.333V
H6812-1000A-.3V	Split-Core CT, Size 4, 1000A:0.333V
H6812-1200A-.3V	Split-Core CT, Size 4, 1200A:0.333V
H6812-1600A-.3V	Split-Core CT, Size 4, 1600A:0.333V
H6812-2000A-.3V	Split-Core CT, Size 4, 2000A:0.333V
H6812-2400A-.3V	Split-Core CT, Size 4, 2400A:0.333V
H6810-100A-1V	Split-Core CT, Size 2, 100A:1V
H6810-200A-1V	Split-Core CT, Size 2, 200A:1V
H6810-300A-1V	Split-Core CT, Size 2, 300A:1V
H6811-400A-1V	Split-Core CT, Size 3, 400A:1V
H6811-600A-1V	Split-Core CT, Size 3, 600A:1V
H6811-800A-1V	Split-Core CT, Size 3, 800A:1V
H6812-800A-1V	Split-Core CT, Size 4, 800A:1V
H6812-1000A-1V	Split-Core CT, Size 4, 1000A:1V
H6812-1200A-1V	Split-Core CT, Size 4, 1200A:1V
H6812-1600A-1V	Split-Core CT, Size 4, 1600A:1V
H6812-2000A-1V	Split-Core CT, Size 4, 2000A:1V
H6812-2400A-1V	Split-Core CT, Size 4, 2400A:1V