



# VERIS INDUSTRIES H681X-5A SERIES Split-Core Current Transformers Instruction Manual

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## 5A SERIES Split-Core Current Transformers Instruction Manual

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**H681X-5A SERIES Split-Core Current Transformers, 5A Output**



H681x-5A split-core current transformers (CTs) provide secondary amperage proportional to the primary (sensed) current. For use with power meters, data loggers, chart recorders, and other instruments, the H681x Series 5 Amp CTs provide a cost-effective means to transform electrical service amperages to a 0 to 5 Amp level compatible with monitoring equipment.

## SPECIFICATIONS

## INPUTS

Frequency Range	50/60 Hz
Leads	6 ft (1.8 m)
ACCURACY	
Accuracy	±1% of reading from 5% to 100% of rated current,
OUTPUTS	
Output at Rated Current	5:00 AM
MECHANICAL	
Insulation	600 Vac
ENVIRONMENTAL	
Operating Temp Range	2400A models only: -15 to 50 °C (5 to 122 °F);
Storage Temp Range	-40 to 70 °C (-40 to 158 °F)
Humidity Range	0 to 95% non-condensing
Altitude of Operation	3 km max.
Mounting Location	Not suitable for wet locations. For indoor use only
WARRANTY	
Limited Warranty	5 years
AGENCY APPROVALS	
Agency Approvals	UL61010-1, IEC 61010-1, EN 61010-1
Installation Category	Category III, Pollution Degree 2

### Easy installation

Unique hinge design

### UL approved

UL2808 Series is UL Listed, others UL Recognized

### 5 Amps standard

5 Amp standard output...

compatible with existing systems

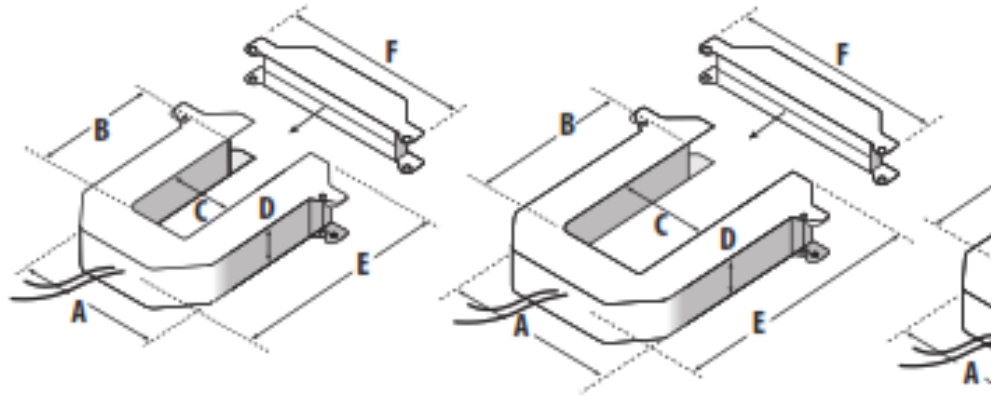
## APPLICATIONS

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

## INPUTS

Frequency Range	50/60 Hz
Leads	16 AWG, 8 ft (2.4 m), 20 ft (6 m)
ACCURACY	
Accuracy	These CTs meet or exceed accuracy requirements
OUTPUTS	
Output at Rated Current	5:00 AM
MECHANICAL	
Insulation	600 Vac
ENVIRONMENTAL	
Operating Temp Range	-15 to 60 °C (5 to 140 °F)
Storage Temp Range	-40 to 70 °C (-40 to 158 °F)
Humidity Range	0 to 95% non-condensing
Altitude of Operation	2 km max.
Mounting Location	Not suitable for wet locations. For indoor use only.
<b>WARRANTY</b>	
Limited Warranty	5 years
AGENCY APPROVALS	
Agency Approvals	UL2808
Installation Category	Category III, Pollution Degree 2

## DIMENSIONAL DRAWINGS

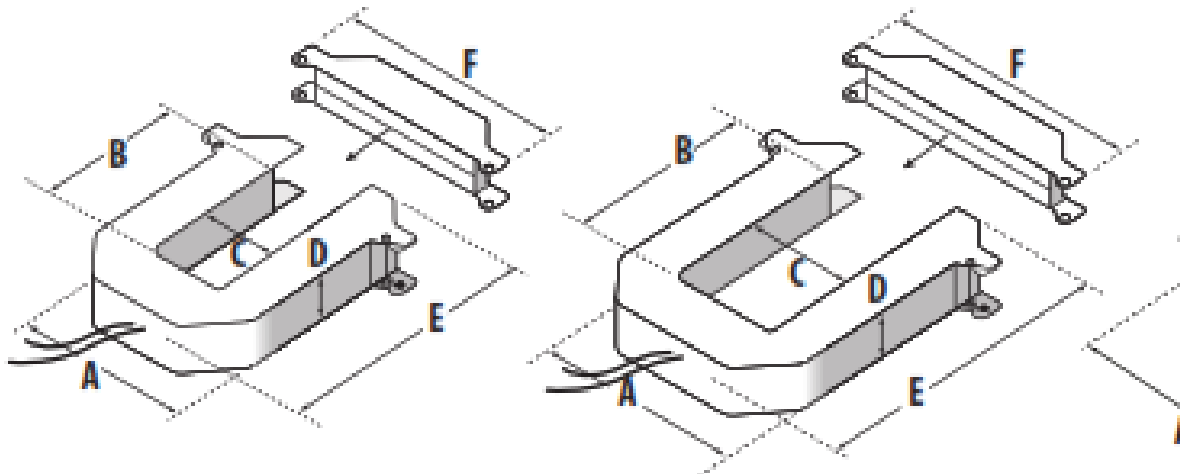


H6810/Small  
200-300 Amp

H6811/Medium  
400-800 Amp

A = 3.8" (96 mm)  
B = 1.2" (31 mm)  
C = 1.3" (32 mm)  
D = 1.2" (31 mm)  
E = 4.0" (100 mm)  
F = 4.8" (121 mm)

A = 4.9" (125 mm)  
B = 2.9" (73 mm)  
C = 2.5" (62 mm)  
D = 1.2" (31 mm)  
E = 5.2" (132 mm)  
F = 6.0" (152 mm)



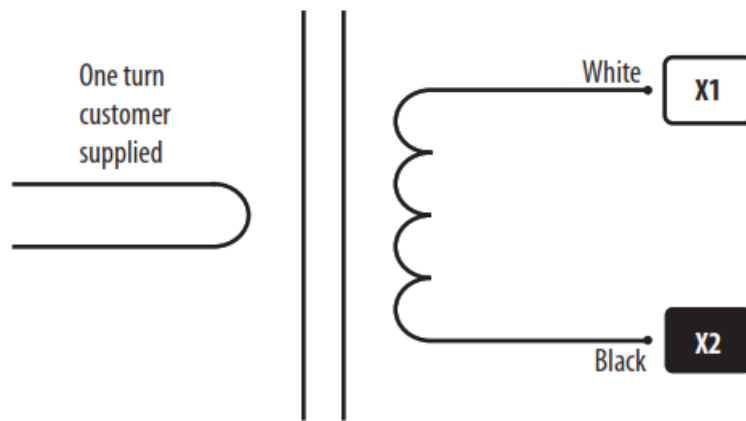
H6810/Small UL2808  
200-400 Amp

H6811/Medium UL2808  
600-800 Amp

A = 3.23" (82 mm)  
B = 1.4" (36 mm)  
C = 1.4" (36 mm)  
D = 1.12" (28 mm)  
E = 3.25" (83 mm)  
F = 4.12" (105 mm)

A = 4.95" (126 mm)  
B = 2.9" (74 mm)  
C = 2.46" (63 mm)  
D = 1.2" (31 mm)  
E = 5.36" (136 mm)  
F = 5.83" (148 mm)

## WIRING EXAMPLE



## ORDERING INFORMATION

MODEL	DESCRIPTION
H6810-200A-5A	Split-core CT, Small, 200A:5A
H6810-300A-5A	Split-core CT, Small, 300A:5A
H6811-400A-5A	Split-core CT, Medium, 400A:5A
H6811-600A-5A	Split-core CT, Medium, 600A:5A
H6811-800A-5A	Split-core CT, Medium, 800A:5A
H6812-800A-5A	Split-core CT, Medium, 800A:5A
H6812-1000A-5A	Split-core CT, Large, 10 00A:5A
H6812-1200A-5A	Split-core CT, Large, 1200A:5A
H6812-1600A-5A	Split-core CT, Large, 1600A:5A
H6812-2000A-5A	Split-core CT, Large, 2000A:5A
H6812-2400A-5A	Split-core CT, Large, 2400A:5A
H6810-200A-5AU	Split core CT, Small, 5A, 200A UL2808
H6810-300A-5AU	Split core CT, Small, 5A, 300A UL2808
H6810-400A-5AU	Split core CT, 5A, Small, 400A UL2808
H6811-600A-5AU	Split core CT, Medium, 5A, 600A UL2808
H6811-800A-5AU	Split core CT, Medium, 5A, 800A UL2808
H6812-800A-5AU	Split core CT, Large, 5A, 800A UL2808
H6812-1000A-5AU	Split core CT, Large, 5A, 1000A UL2808
H6812-1200A-5AU	Split core CT, Large, 5A, 1200A UL2808
H6812-1600A-5AU	Split core CT, Large, 5A, 1600A UL2808
H6812-2000A-5AU	Split core CT, Large, 5A, 2000A UL2808
H6812-2400A-5AU	Split core CT, Large, 5A, 2400A UL2808



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## Documents / Resources



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