

Technical Data TD02601002E

Effective March 2012
Supersedes December 2002

Current Transformers



Current Transformers

General Description

Eaton's low voltage current transformers are available in both solid core and split core designs. Engineered for electronic metering applications, all solid core designs and selected split core designs offer ANSI metering quality accuracy. The current transformer offering has a 5A secondary at the rated primary current.

Split core CTs are specifically designed to be installed around primary conductors without disconnecting wires or breaking the circuit to be monitored. These current transformers are perfect solutions for energy management applications and are manufactured for installation ease.

Application Description

For new construction and retrofit applications where no current transformer exists, Eaton offers a complete selection of low voltage (up to 600V) current transformers. These current transformers can be used in commercial grade applications such as control panels and panelboards. Additionally, they can be used for most industrial metering applications in switchboards, switchgear and motor control centers.

Note: Not for use with IQ 35M or IQ MESII.

*Powering Business Worldwide*

Product Selection

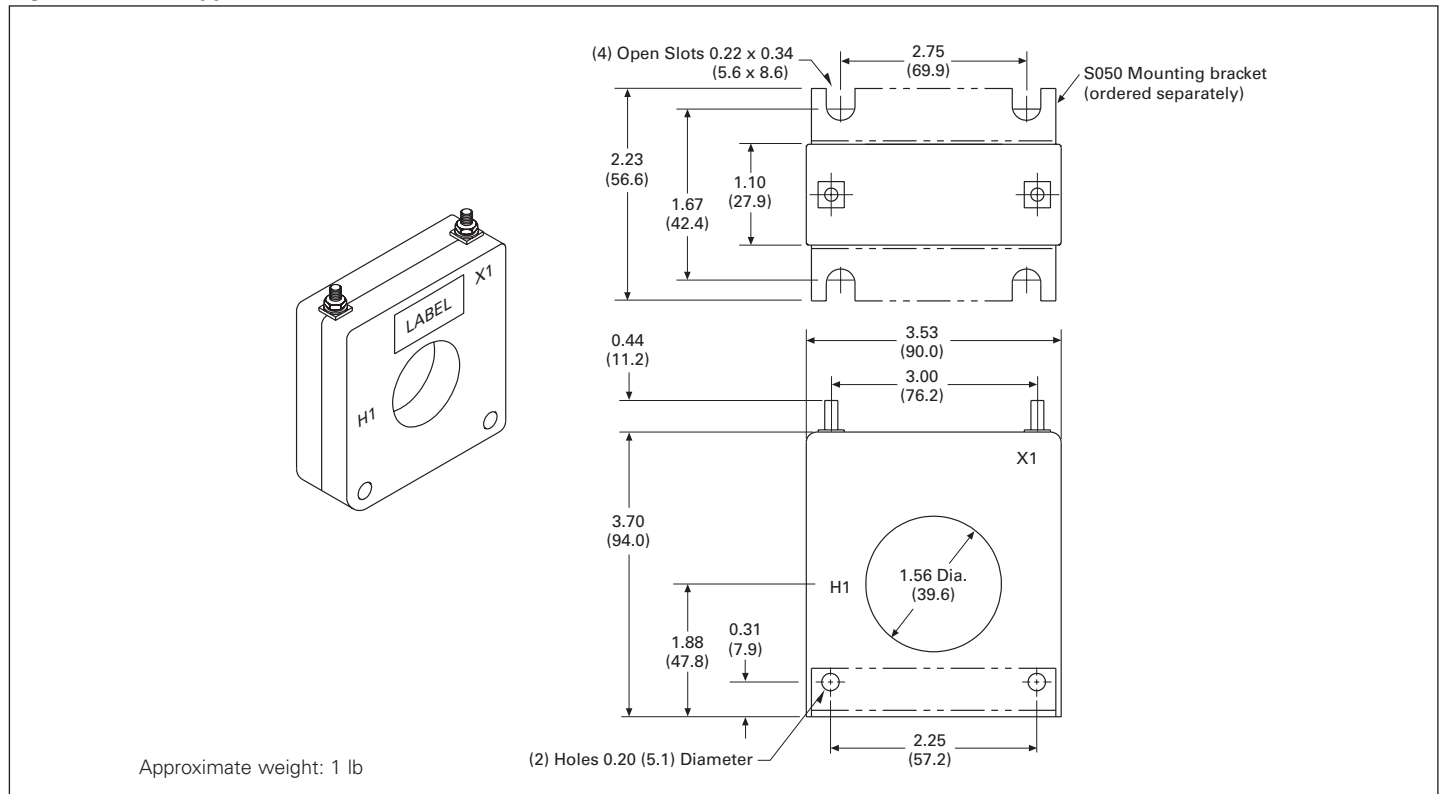
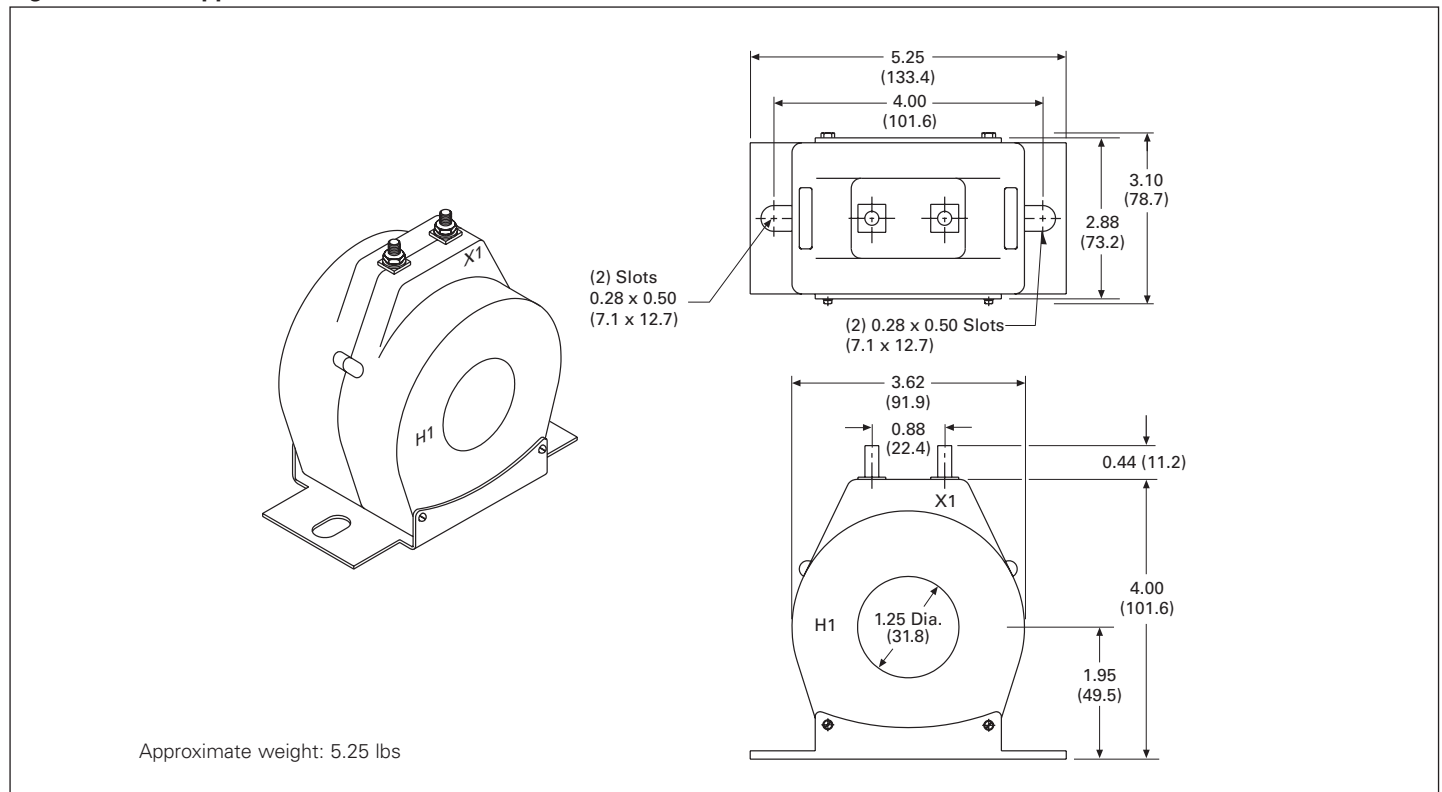
Solid Core ANSI Metering Accuracy					
Primary Current Rating	ANSI B0.1 Metering Class at 60 Hz (Accuracy in %)	Window Size in Inches (mm) Diameter	Catalog Number	Figure Number for Dimensional Data	Mounting Bracket Catalog Number
300	0.3	1.56 (39.6)	S050-301	1	S050BRAC
400			S050-401		
500			S050-501		
600			S050-601		
750			S050-751		
800			S050-801		
1000			S050-102		
1200			S050-122		
50	1.2	1.25 (31.8)	S060-500	2	①
100	0.6		S060-101		
150	0.3		S060-151		
200	0.3		S060-201		
400	0.3	3.25 (82.6)	S080-401	3	S080BRAC
500			S080-501		
600			S080-601		
750			S080-751		
800			S080-801		
1000			S080-102		
1200			S080-122		
500	0.3	4.25 (108.0)	S090-501	4	S090BRAC
600			S090-601		
750			S090-751		
800			S090-801		
1000			S090-102		
1200			S090-122		
1500			S090-152		
1600			S090-162		
2000			S090-202		
2500			S090-252		
3000			S090-302		
600	0.3	6.31 (160.3)	S025-601	5	S025BRAC
750			S025-751		
800			S025-801		
1000			S025-102		
1200			S025-122		
1500			S025-152		
1600			S025-162		
2000			S025-202		
2500			S025-252		
3000			S025-302		
3500			S025-352		
4000			S025-402		
25	0.3	Wound Primary	W190-025	6	W190BRAC
50			W190-050		

① No mounting bracket required.

Product Selection (cont.)

Split Core ANSI Metering Accuracy				
Primary Current Rating	ANSI B0.1 Metering Class at 60 Hz (Accuracy in %)	Window Size in Inches (mm)	Figure Number for Dimensional Data	Catalog Number
400	2.4	2.00 x 5.50 (50.8 x 139.7)	7	M000-401
500	2.4			M000-501
600	2.4			M000-601
800	1.2			M000-801
1000	1.2			M000-102
1200	0.6			M000-122
1500	0.6			M000-152
1600	0.6			M000-162
2000	0.6			M000-202
600	4.8	4.10 x 7.10 (104.1 x 180.3)	8	M050-601
750	4.8			M050-751
800	2.4			M050-801
1000	2.4			M050-102
1200	1.2			M050-122
1500	1.2			M050-152
2000	0.6			M050-202
2500	0.6			M050-252
3000	0.6			M050-302
3500	0.6			M050-352
4000	0.3			M050-402

Split Core Current Transformers				
Primary Current Rating	Accuracy at 60 Hz (in %)	Window Size in Inches (mm)	Figure Number for Dimensional Data	Catalog Number
100	5.0	0.80 x 1.95 (20.3 x 49.5)	9	M030-101
150	5.0			M030-151
200	4.0			M030-201
300	2.0			M030-301
400	2.0			M030-401
100	5.0	1.42 x 1.53 (36.1 x 38.9)	10	M040-101
150	4.0			M040-151
200	1.5			M040-201
300	1.5			M040-301
400	1.5			M040-401
200	1.0	2.75 x 2.70 (69.9 x 68.6)	11	M060-201
300				M060-301
400				M060-401
500				M060-501
600				M060-601
750				M060-751
800				M060-801
1000				M060-102
1200				M060-122
500	1.0	2.60 x 6.25 (66.0 x 158.8)	12	M080-501
600				M080-601
800				M080-801
1000				M080-102
1200				M080-122
1500				M080-152
1600				M080-162
2000				M080-202
2500				M080-252
3000				M080-302

Dimensions in Inches (mm)**Figure 1. S050—Approximate Dimensions****Figure 2. S060—Approximate Dimensions**

Dimensions in Inches (mm) (cont.)

Figure 3. S080—Approximate Dimensions

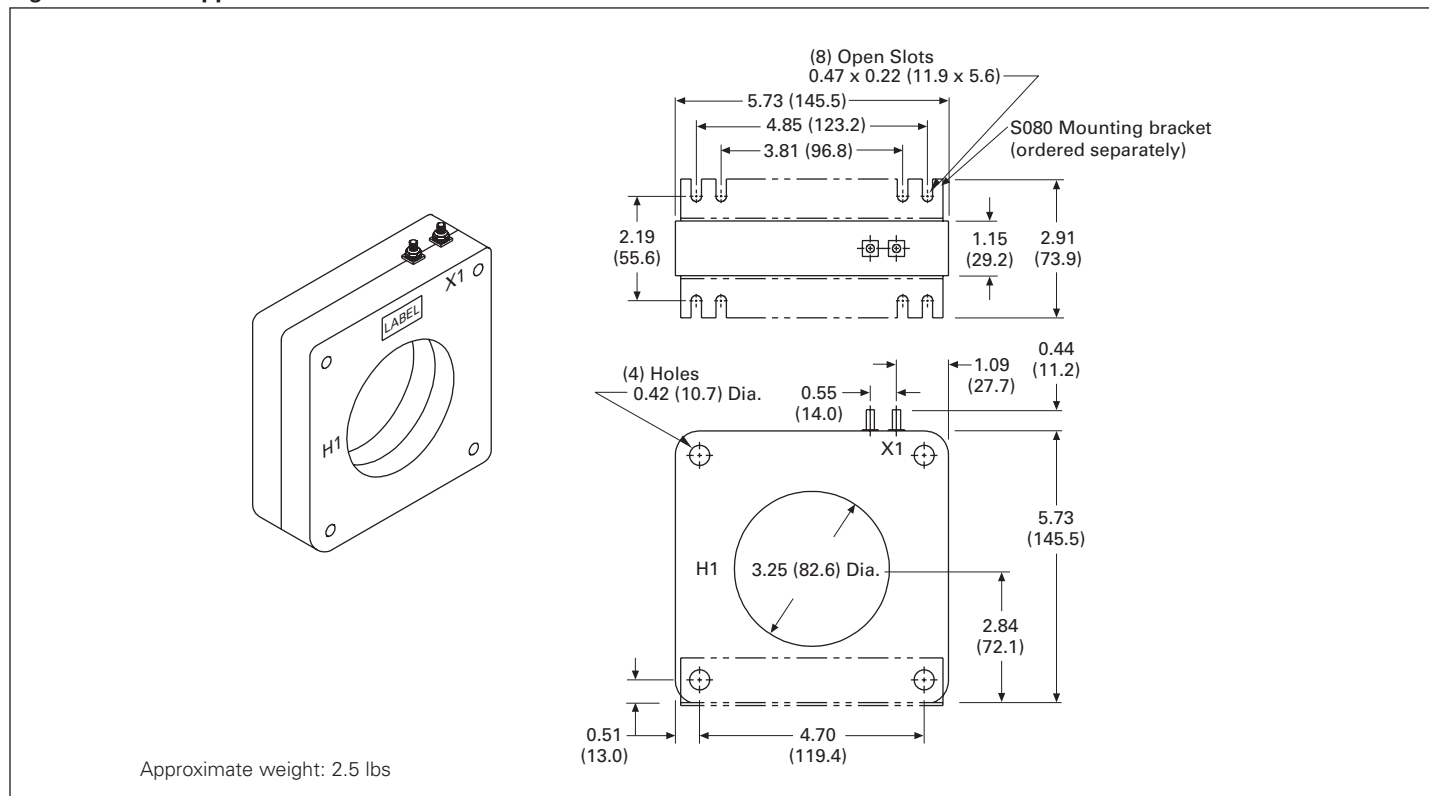
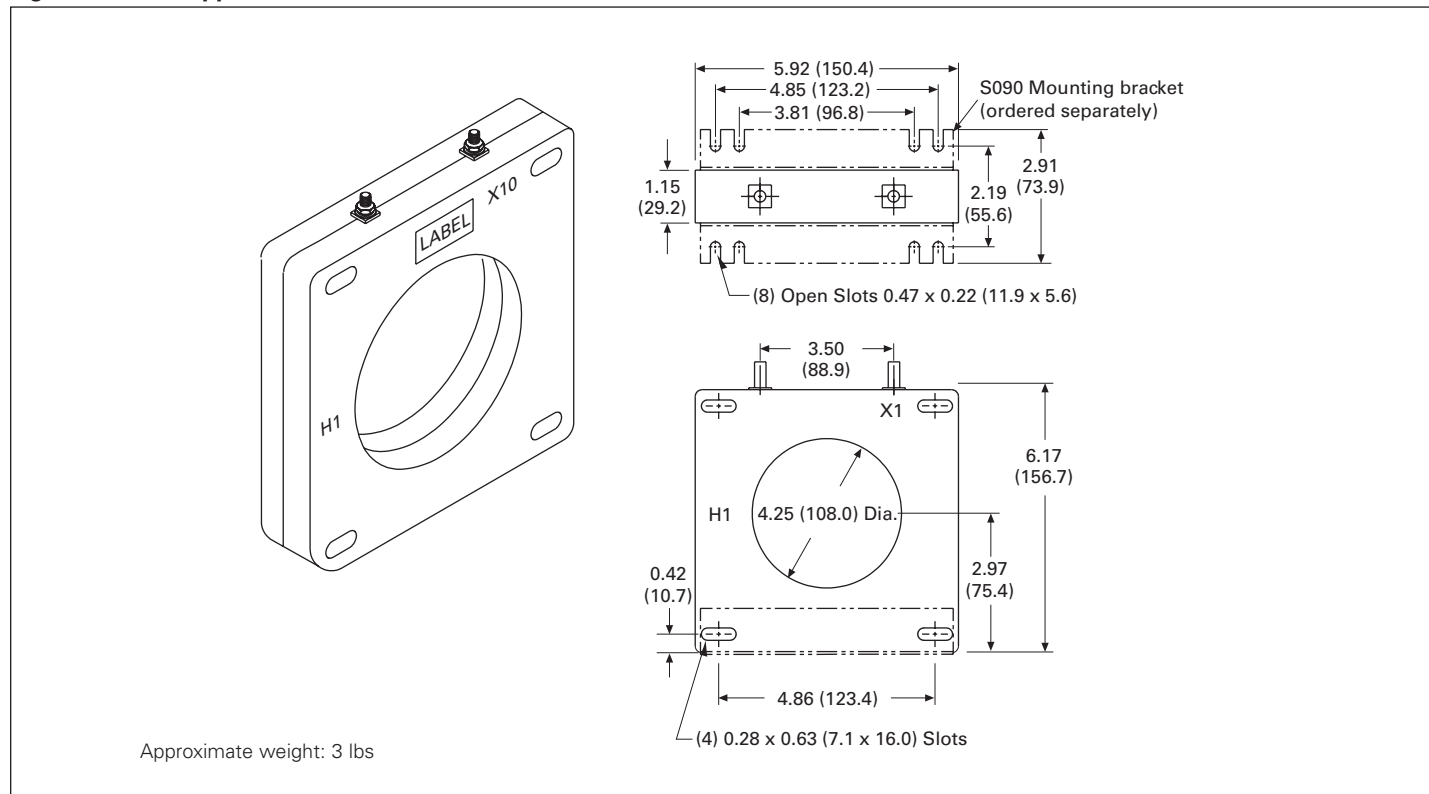
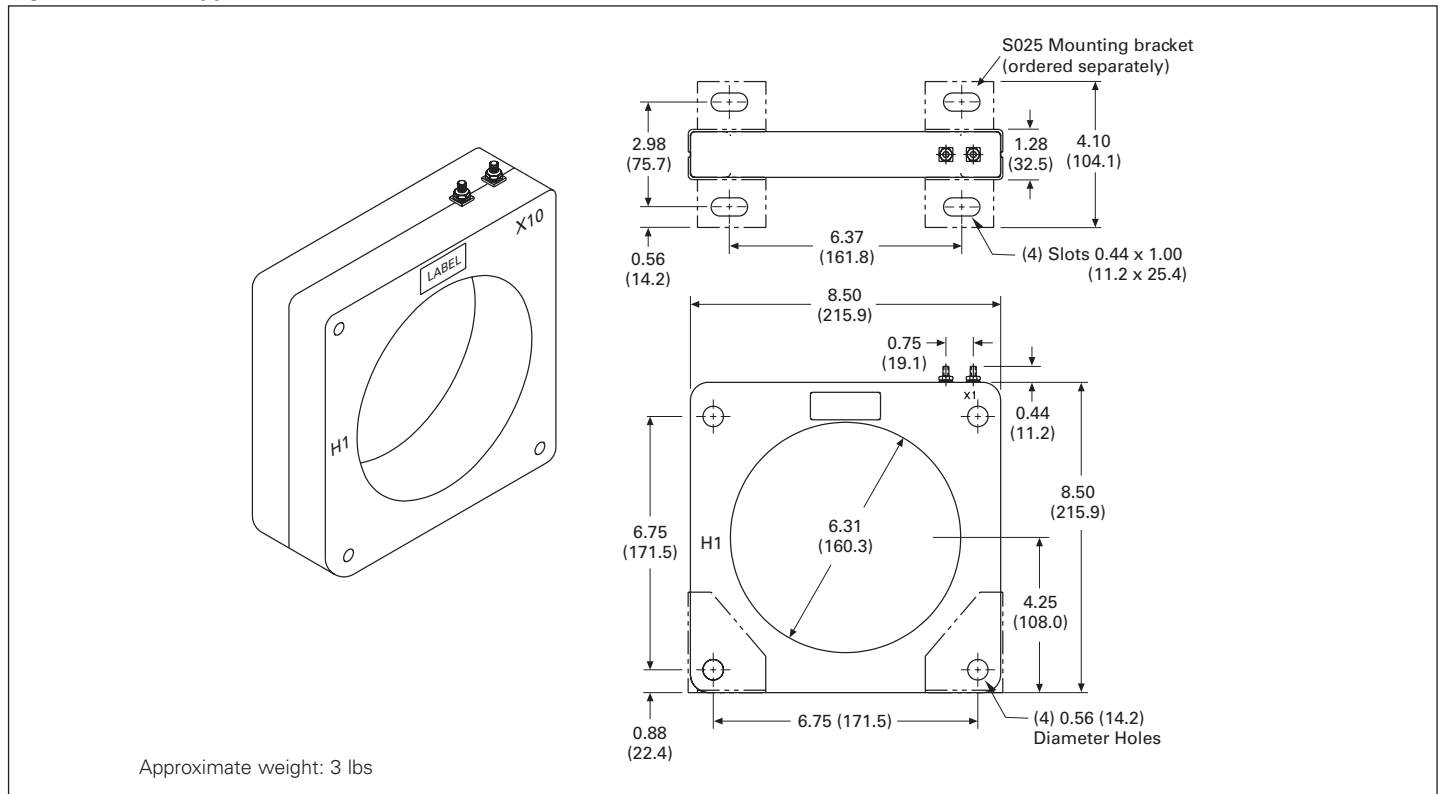
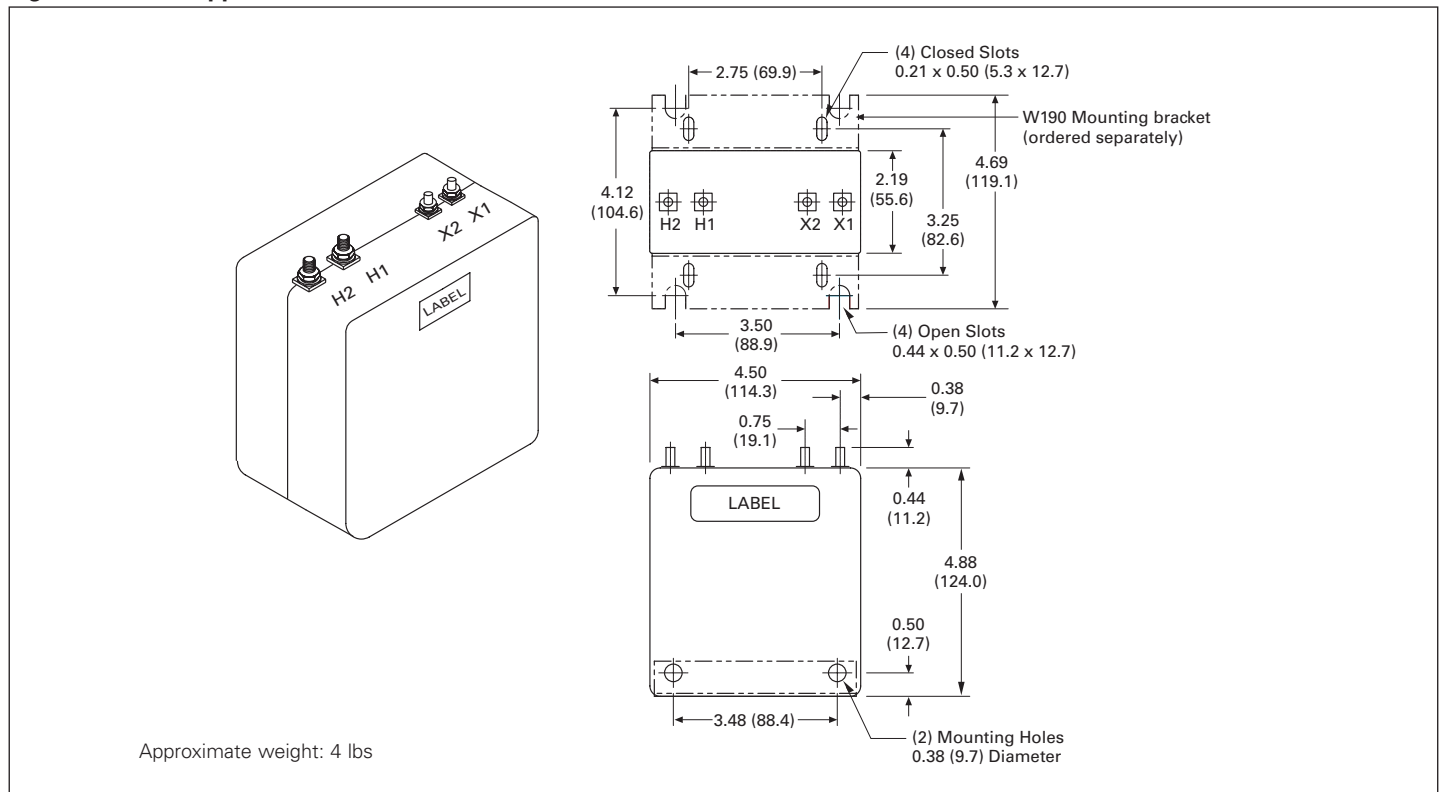


Figure 4. S090—Approximate Dimensions



Dimensions in Inches (mm) (cont.)**Figure 5. S025—Approximate Dimensions****Figure 6. W190—Approximate Dimensions**

Dimensions in Inches (mm) (cont.)

Figure 7. M000—Approximate Dimensions

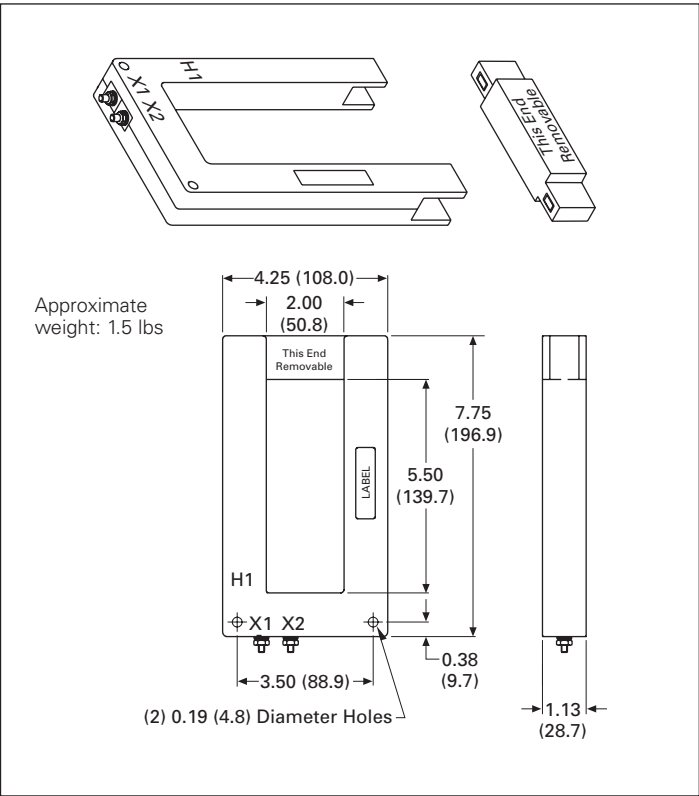


Figure 8. M050—Approximate Dimensions

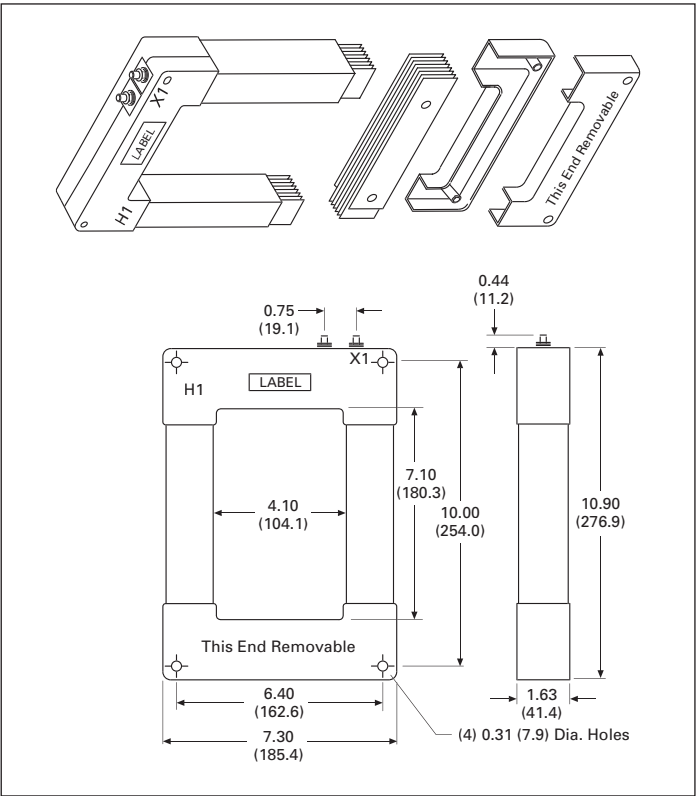
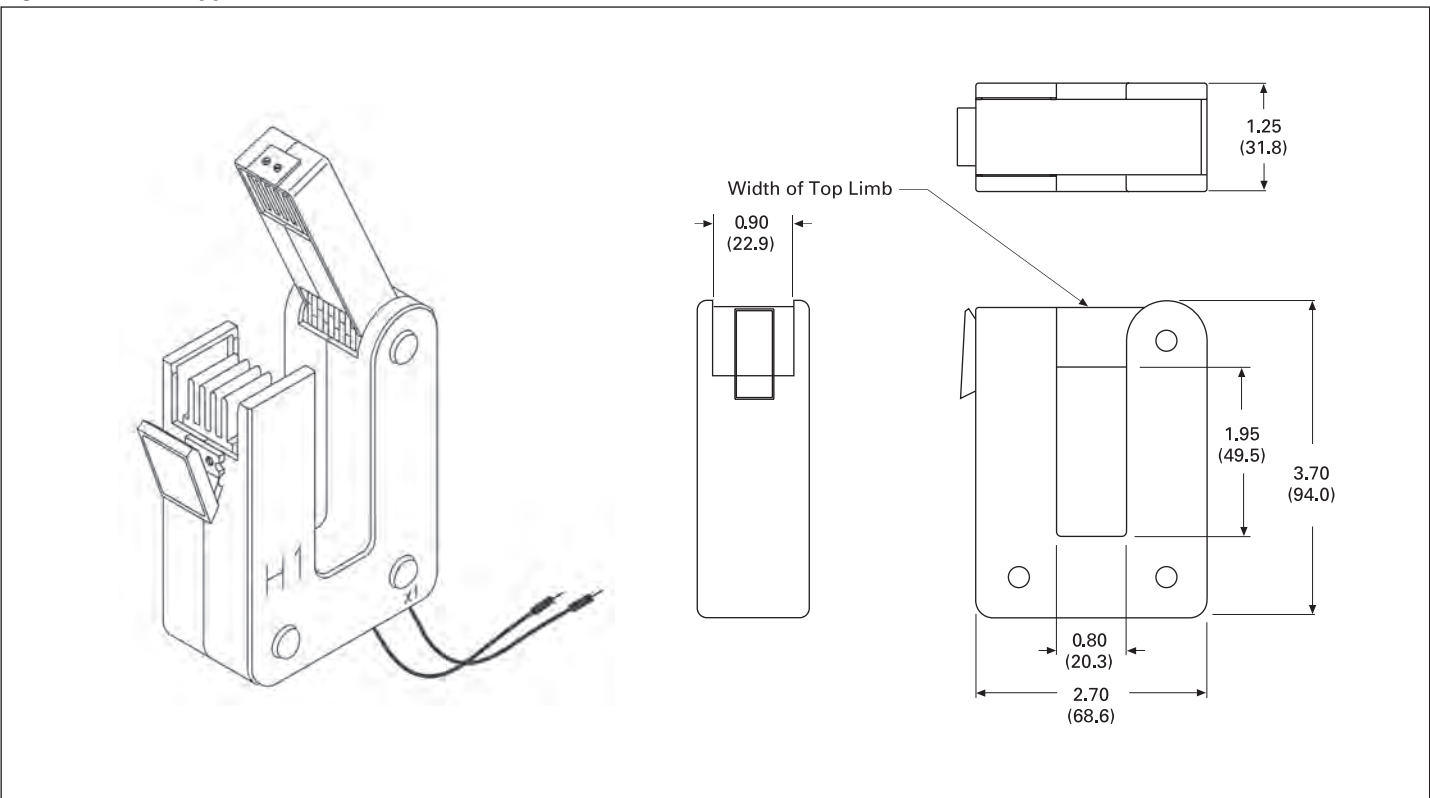
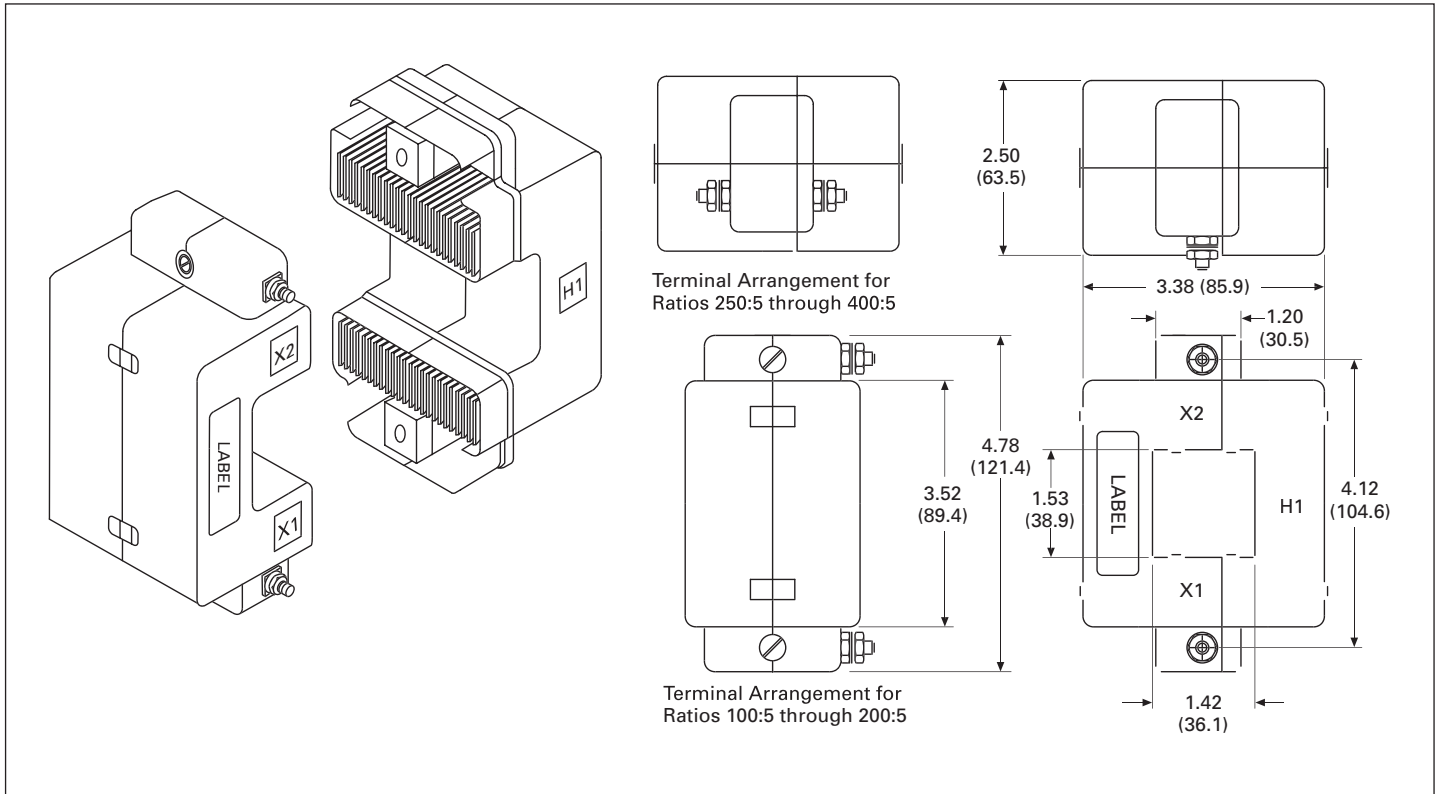
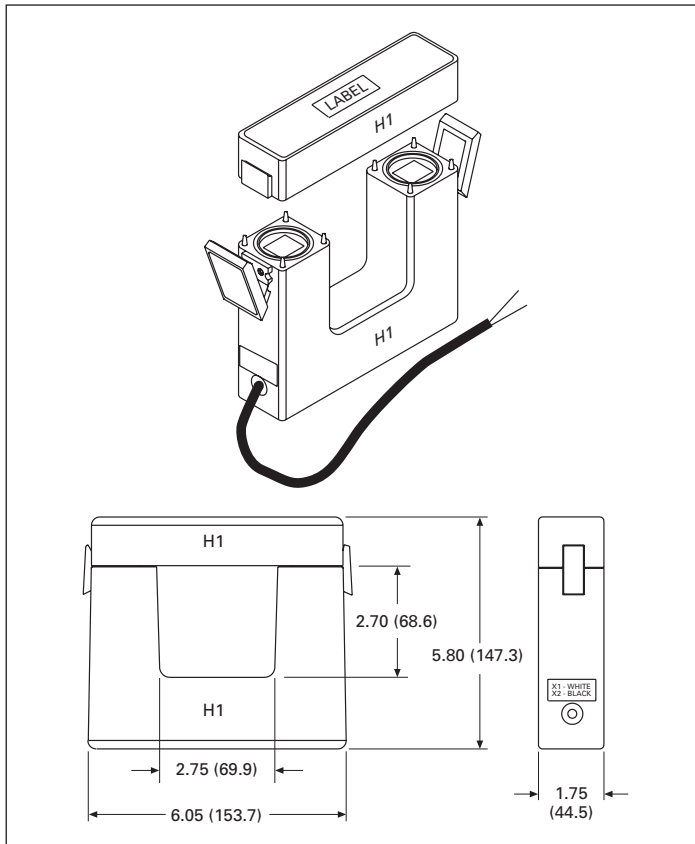
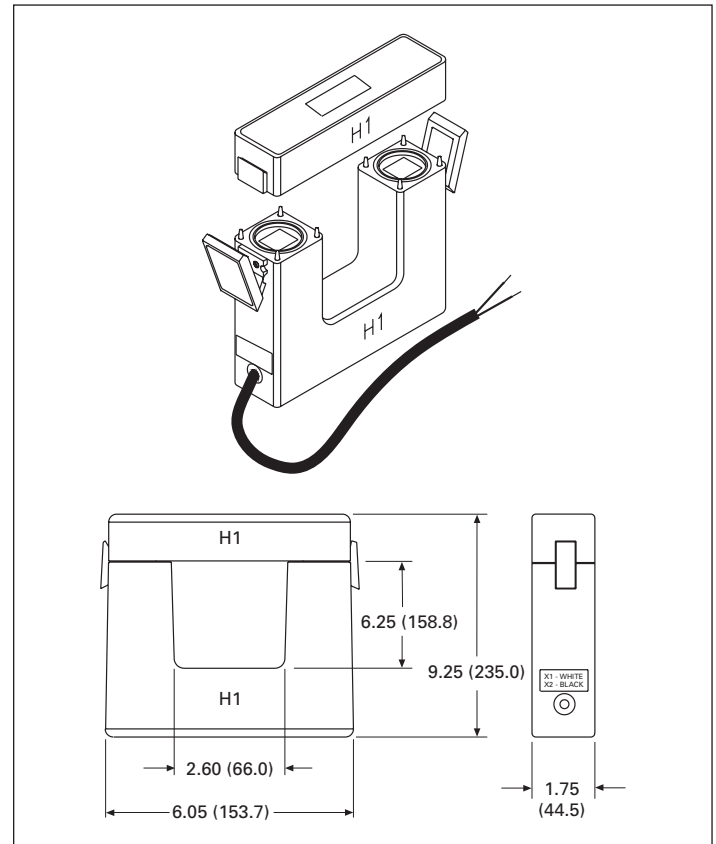


Figure 9. M030—Approximate Dimensions



Dimensions in Inches (mm) (cont.)**Figure 10. M040—Approximate Dimensions****Figure 11. M060—Approximate Dimensions****Figure 12. M080—Approximate Dimensions**

Eaton Corporation

Electrical Sector
1000 Cherrington Parkway
Moon Township, PA 15108
United States
877-ETN-CARE (877-386-2273)
Eaton.com/meters

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