



Technical Data Sheet

Omega ANSI Current Transformer Series

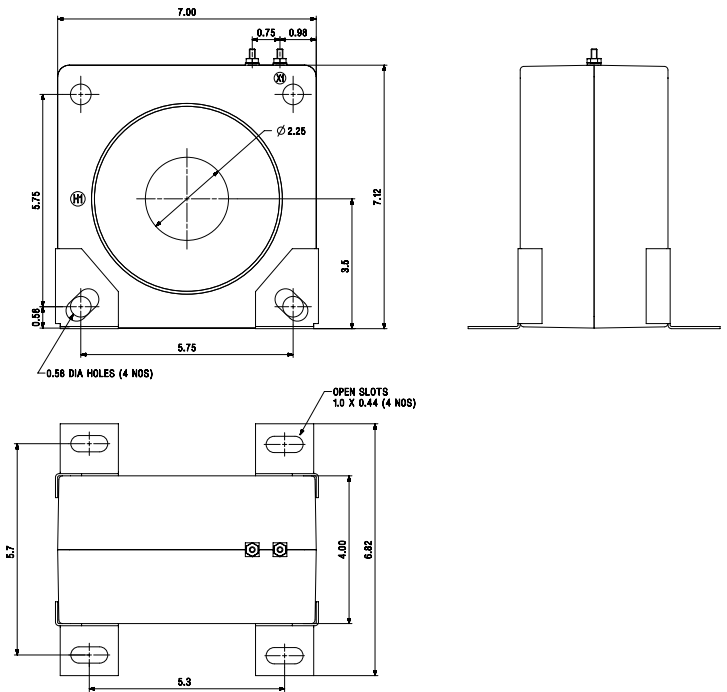
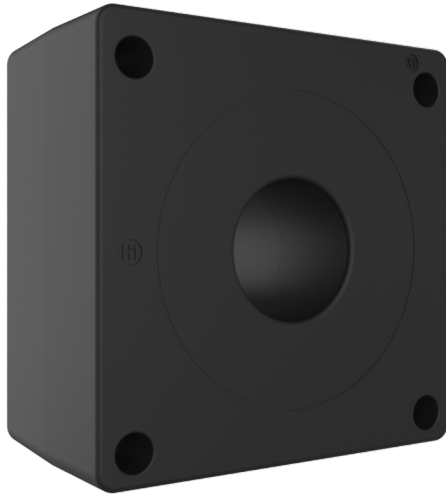


Omega 30

*112ASHT, 113ASHT, 114ASHT,
115ASHT, 117ASHT,
115AMR, 117AMR*



Omega 30 - 112ASHT

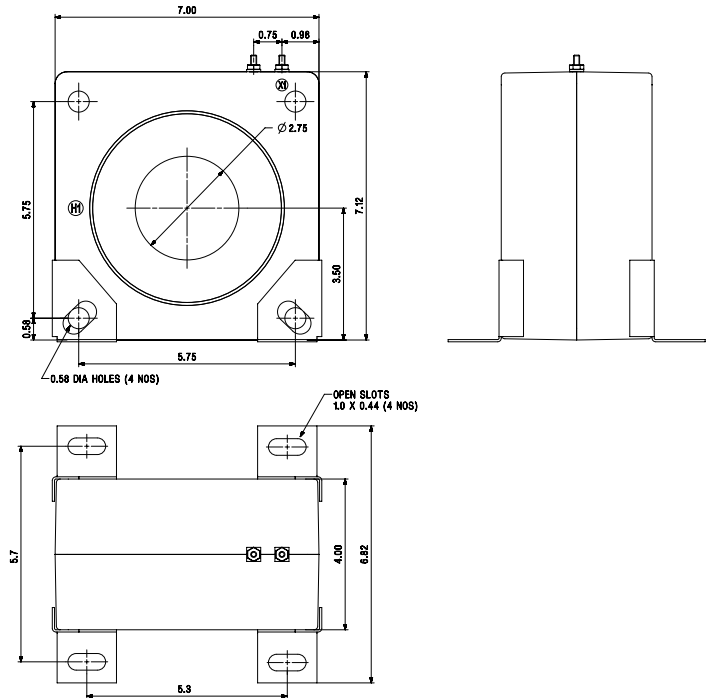
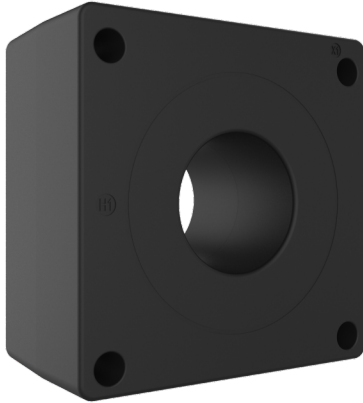


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	C10	1.2	2.4	–	–	–	0.029	2.0	2.0
75:5	C10	0.6	1.2	2.4	4.8	–	0.046	2.0	2.0
100:5	C20	0.6	0.6	2.4	2.4	4.8	0.062	2.0	2.0
150:5	C20	0.3	0.6	1.2	1.2	2.4	0.093	2.0	2.0
200:5	C50	0.3	0.3	0.3	0.6	1.2	0.124	2.0	2.0
250:5	C50	0.3	0.3	0.3	0.3	0.6	0.155	2.0	2.0
300:5	C50	0.3	0.3	0.3	0.3	0.6	0.186	2.0	2.0
400:5	C100	0.3	0.3	0.3	0.3	0.3	0.248	2.0	1.5
500:5	C100	0.3	0.3	0.3	0.3	0.3	0.341	2.0	1.5
600:5	C100	0.3	0.3	0.3	0.3	0.3	0.409	1.5	1.33
750:5	C200	0.3	0.3	0.3	0.3	0.3	0.495	1.5	1.0
800:5	C200	0.3	0.3	0.3	0.3	0.3	0.529	1.5	1.0
1000:5	C200	0.3	0.3	0.3	0.3	0.3	0.661	1.33	1.0
1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.793	1.33	1.0

Approximate weight: 25 lbs.

Omega 30 - 113ASHT

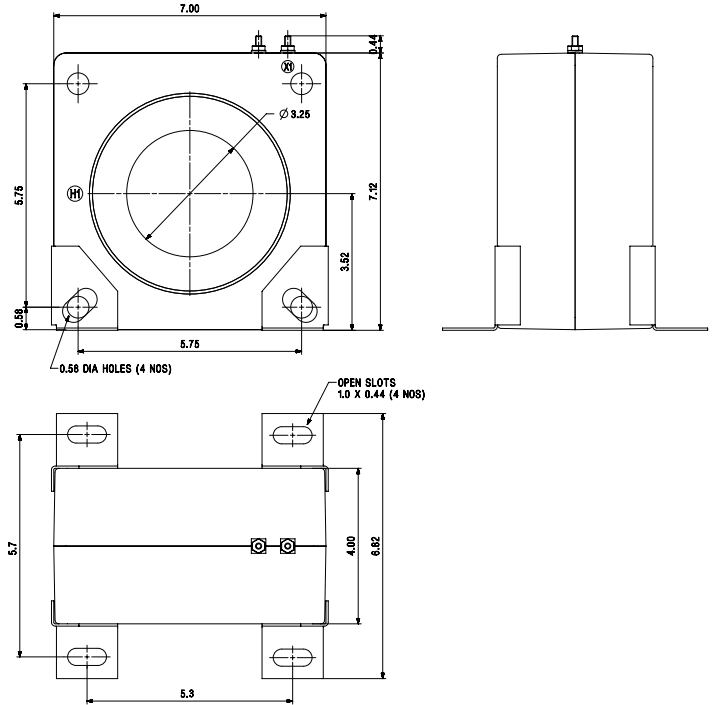
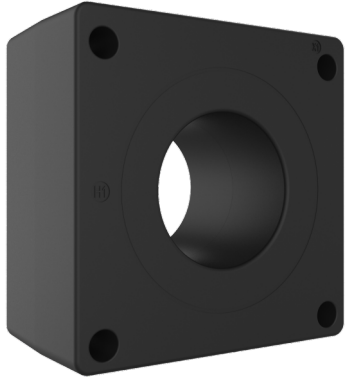


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@558 °C
50:5	C10	2.4	4.8	–	–	–	0.033	2.0	2.0
75:5	C10	0.6	1.2	4.8	4.8	–	0.043	2.0	2.0
100:5	C20	0.6	0.6	2.4	2.4	4.8	0.059	2.0	2.0
150:5	C20	0.3	0.3	0.6	1.2	2.4	0.089	2.0	2.0
200:5	C20	0.3	0.3	0.6	0.6	1.2	0.118	2.0	2.0
250:5	C50	0.3	0.3	0.6	0.6	1.2	0.163	2.0	2.0
300:5	C50	0.3	0.3	0.3	0.6	1.2	0.195	2.0	2.0
400:5	C100	0.3	0.3	0.3	0.3	0.6	0.260	2.0	1.5
500:5	C100	0.3	0.3	0.3	0.3	0.3	0.325	2.0	1.5
600:5	C100	0.3	0.3	0.3	0.3	0.3	0.390	1.5	1.33
750:5	C200	0.3	0.3	0.3	0.3	0.3	0.488	1.5	1.0
800:5	C200	0.3	0.3	0.3	0.3	0.3	0.503	1.5	1.0
1000:5	C200	0.3	0.3	0.3	0.3	0.3	0.629	1.33	1.0
1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.755	1.33	1.0
1500:5	C200	0.3	0.3	0.3	0.3	0.3	0.943	1.0	0.8

Approximate weight: 23 lbs.

Omega 30 - 114ASHT

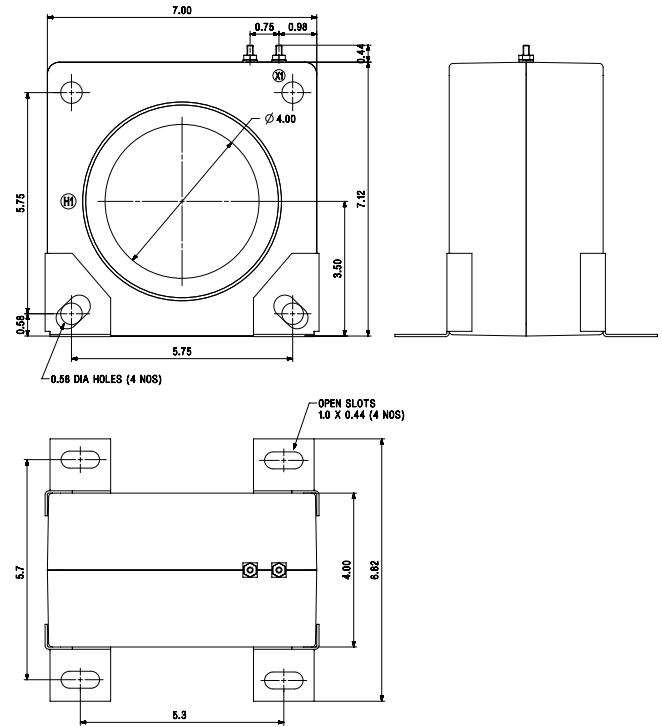
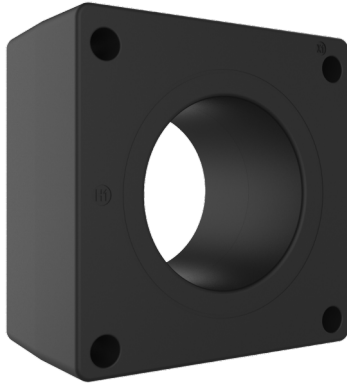


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	-	1.2	4.8	-	-	-	0.024	2.0	2.0
75:5	C10	1.2	2.4	4.8	-	-	0.040	2.0	2.0
100:5	C10	1.2	1.2	2.4	4.8	-	0.055	2.0	2.0
150:5	C20	0.6	0.6	1.2	2.4	4.8	0.082	2.0	2.0
200:5	C20	0.3	0.3	0.6	1.2	2.4	0.112	2.0	2.0
250:5	C50	0.3	0.3	0.6	1.2	1.2	0.141	2.0	2.0
300:5	C50	0.3	0.3	0.6	0.6	1.2	0.165	2.0	2.0
400:5	C100	0.3	0.3	0.3	0.3	0.6	0.220	2.0	1.5
500:5	C100	0.3	0.3	0.3	0.3	0.6	0.267	2.0	1.5
600:5	C100	0.3	0.3	0.3	0.3	0.3	0.371	1.5	1.33
750:5	C100	0.3	0.3	0.3	0.3	0.3	0.464	1.5	1.0
800:5	C100	0.3	0.3	0.3	0.3	0.3	0.495	1.5	1.0
1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.597	1.5	1.0
1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.716	1.33	1.0
1500:5	C200	0.3	0.3	0.3	0.3	0.3	0.896	1.0	0.8
1600:5	C200	0.3	0.3	0.3	0.3	0.3	0.955	1.0	0.8

Approximate weight: 22 lbs.

Omega 30 - 115ASHT

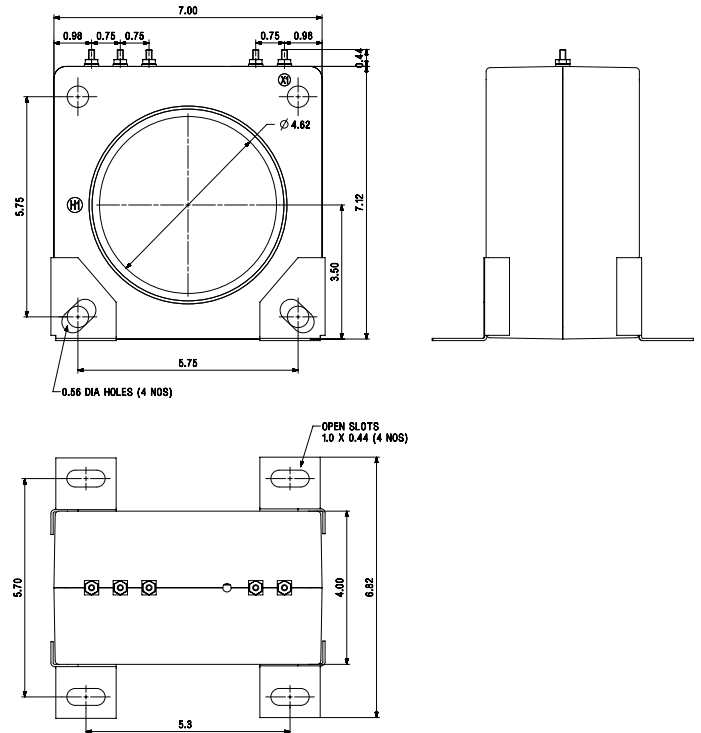
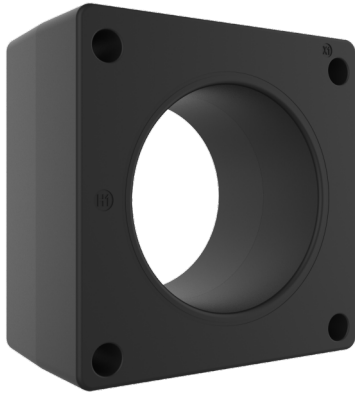


*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	–	2.4	4.8	–	–	–	0.025	2.0	2.0
75:5	–	1.2	2.4	4.8	–	–	0.037	2.0	2.0
100:5	C10	1.2	1.2	2.4	4.8	–	0.046	2.0	2.0
150:5	C10	0.6	0.6	1.2	2.4	4.8	0.074	2.0	2.0
200:5	C20	0.3	0.3	0.6	1.2	2.4	0.099	2.0	2.0
250:5	C20	0.3	0.3	0.6	1.2	2.4	0.127	2.0	2.0
300:5	C20	0.3	0.3	0.3	0.6	1.2	0.148	2.0	2.0
400:5	C50	0.3	0.3	0.3	0.3	0.6	0.208	2.0	2.0
500:5	C50	0.3	0.3	0.3	0.3	0.3	0.247	2.0	1.5
600:5	C50	0.3	0.3	0.3	0.3	0.3	0.305	2.0	1.5
750:5	C100	0.3	0.3	0.3	0.3	0.3	0.428	1.5	1.33
800:5	C100	0.3	0.3	0.3	0.3	0.3	0.457	1.5	1.0
1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.571	1.5	1.0
1200:5	C100	0.3	0.3	0.3	0.3	0.3	0.660	1.33	1.0
1500:5	C100	0.3	0.3	0.3	0.3	0.3	0.825	1.0	0.8
1600:5	C100	0.3	0.3	0.3	0.3	0.3	0.880	1.0	0.8
2000:5	C200	0.3	0.3	0.3	0.3	0.3	1.100	1.0	0.8
2500:5	C100	0.3	0.3	0.3	0.3	0.3	1.292	1.0	0.8
3000:5	C200	0.3	0.3	0.3	0.3	0.3	1.550	0.8	0.6
3200:5	C200	0.3	0.3	0.3	0.3	0.3	1.653	0.8	0.6

Approximate weight: 19 lbs.

Omega 30 - 117ASHT



*All the mentioned dimensions are in inches

Current Ratio	Relay Class	ANSI METERING CLASS @ 60HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	Cont. Thermal RF	
		B0.1	B0.2	B0.5	B0.9	B1.8		@30 °C	@55 °C
50:5	-	2.4	-	-	-	-	0.015	2.0	2.0
75:5	-	2.4	2.4	-	-	-	0.024	2.0	2.0
100:5	-	1.2	2.4	4.8	-	-	0.043	2.0	2.0
150:5	C10	0.6	0.6	2.4	4.8	4.8	0.069	2.0	2.0
200:5	C10	0.6	0.6	1.2	2.4	4.8	0.085	2.0	2.0
250:5	C20	0.6	0.6	0.6	1.2	2.4	0.106	2.0	2.0
300:5	C20	0.3	0.3	0.6	1.2	2.4	0.145	2.0	2.0
400:5	C20	0.3	0.3	0.3	0.6	1.2	0.184	2.0	2.0
500:5	C20	0.3	0.3	0.3	0.3	0.6	0.236	2.0	1.5
600:5	C20	0.3	0.3	0.3	0.3	0.6	0.283	2.0	1.5
750:5	C50	0.3	0.3	0.3	0.3	0.3	0.354	1.5	1.33
800:5	C50	0.3	0.3	0.3	0.3	0.3	0.425	1.5	1.33
1000:5	C50	0.3	0.3	0.3	0.3	0.3	0.531	1.5	1.0
1200:5	C100	0.3	0.3	0.3	0.3	0.3	0.637	1.33	1.0
1500:5	C50	0.3	0.3	0.3	0.3	0.3	0.768	1.33	1.0
1600:5	C50	0.3	0.3	0.3	0.3	0.3	0.819	1.0	0.8
2000:5	C50	0.3	0.3	0.3	0.3	0.3	1.024	1.0	0.6
2500:5	C100	0.3	0.3	0.3	0.3	0.3	1.279	1.0	0.6
3000:5	-	0.3	0.3	0.3	0.3	0.3	1.428	1.0	0.6
3200:5	-	0.3	0.3	0.3	0.3	0.3	1.523	1.0	0.6
4000:5	-	0.3	0.3	0.3	0.3	0.3	2.385	0.8	0.6

Approximate weight: 13 lbs.

Omega 30 - 112ASHT, 113ASHT, 114ASHT,
115ASHT, 117ASHT

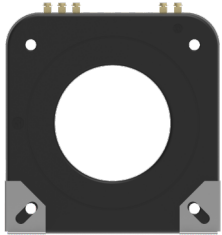
Specification

- FREQUENCY : 50 -400 Hz
- INSULATION LEVEL : 600 Volts. 10kV BIL. full wave
- WINDOW : 2.25", 2.75", 3.25", 4.00", 4.62"
- APROXIMATE WEIGHT : 25, 23, 22, 19, 13 lbs
- CONNECTIONS :
 - Terminals are brass studs No. 8-32 UNC with one flat washer, lockwasher, and regular nut
 - Multi-ratios available upon request
 - Mounting kit (On Request)

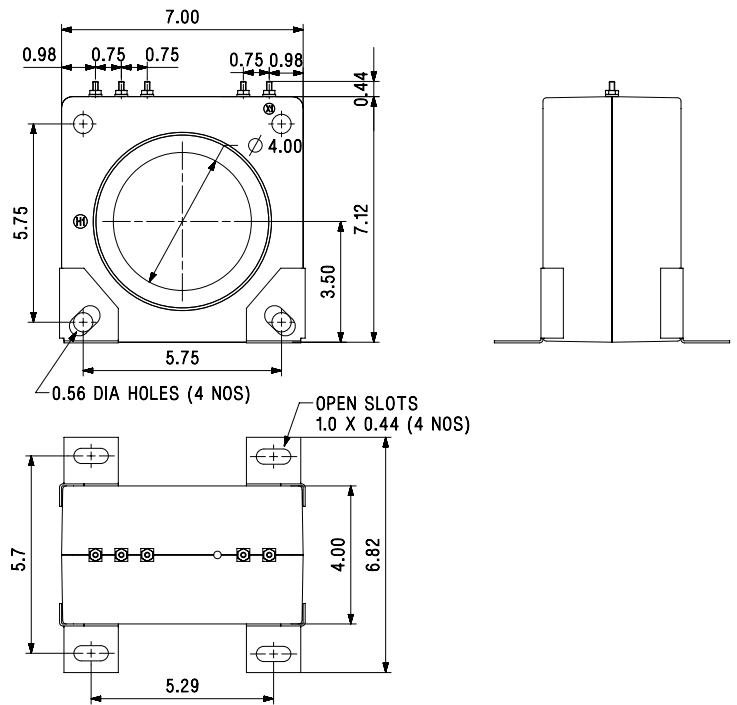
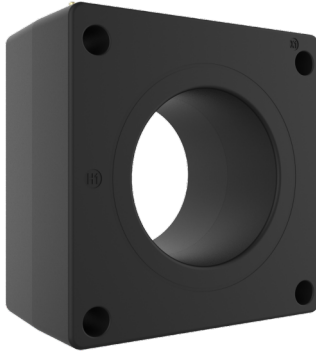
Application

- APPLICATION : Metering

Product Mounting Kit

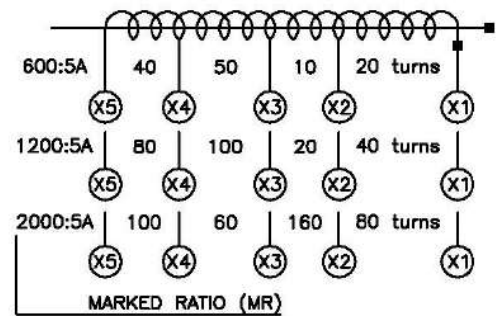
Sr No	Model Name	Item Code	Actual Product
1	112-117	XH12-0A00-0001	

Omega 30 - 115AMR



*All the mentioned dimensions are in inches

Current Ratio	Relay Class	Cont. Thermal RF	
		@30 °C	@50 °C
600:5	C50	2.0	1.5
1200:5	C100	1.33	1.0
2000:5	C200	1.0	0.8



Approximate weight: 19 lbs.

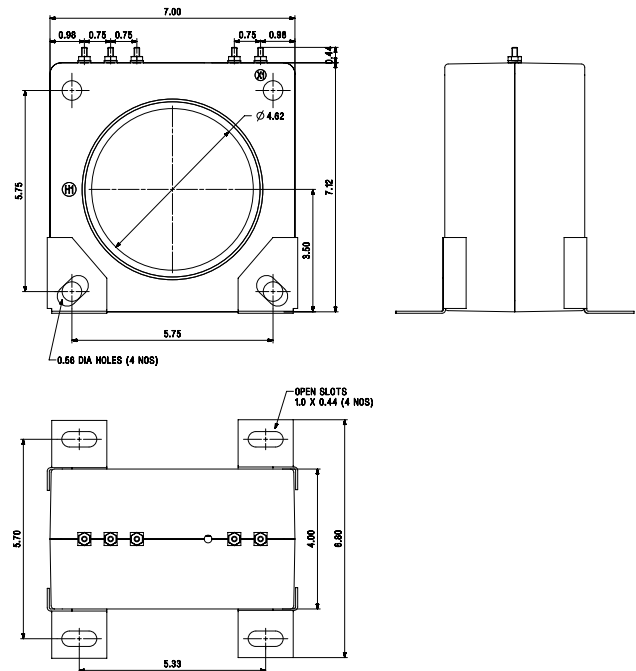
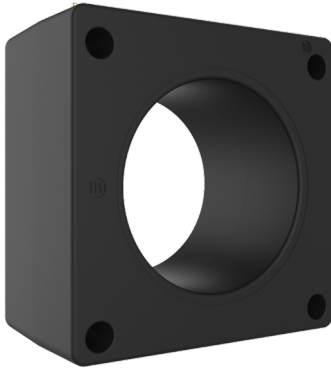
Specification

- FREQUENCY : 50 -400 Hz
- INSULATION LEVEL : 600 Volts. 10kV BIL. full wave
- WINDOW : 4.00"
- APROXIMATE WEIGHT : 19 lbs
- CONNECTIONS :
 - - Terminals are brass studs No. 8-32 UNC with one flat washer, lockwasher, and regular nut
 - - The transformer winding is arranged so that the turns are fully distributed between all taps

Application

- APPLICATION : Relaying

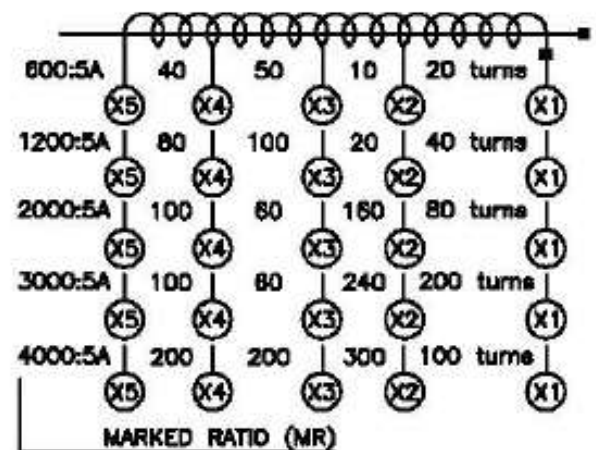
Omega 30 - 117AMR



*All the mentioned dimensions are in inches

Current Ratio	Relay Class	Cont. Thermal RF	
		@30 °C	@50 °C
600:5	C20	2.0	1.5
1200:5	C100	1.33	1.0
2000:5	C50	1.0	0.6

Approximate weight: 13 lbs.



Specification

- FREQUENCY : 50 -400 Hz
- INSULATION LEVEL : 600 Volts. 10kV BIL. full wave
- WINDOW : 4.62"
- APROXIMATE WEIGHT : 13 lbs
- CONNECTIONS :
 - - Terminals are brass studs No. 8-32 UNC with one flat washer, lockwasher, and regular nut
 - - The transformer winding is arranged so that the turns are fully distributed between all taps

Application

- APPLICATION : Relaying

Sifam Tinsley Instrumentation Inc.

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