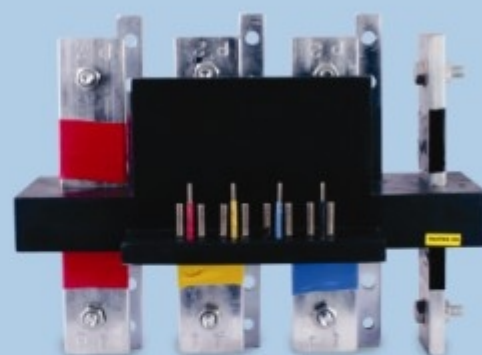




Product Catalogue

“Total
Solution
on
Low
Voltage
Transformers”



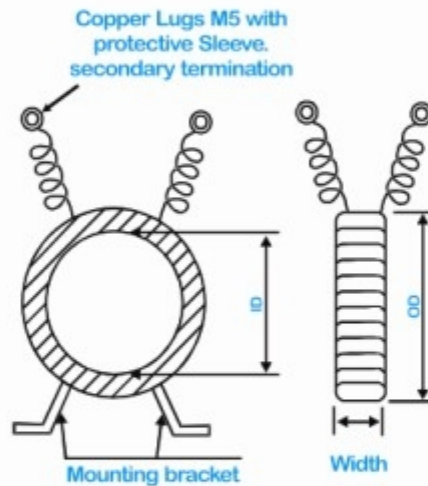
ISO 9001
BUREAU VERITAS
Certification



ISO 9001 : 2008



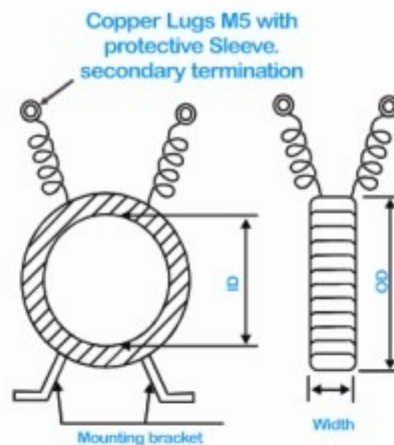
Tape Insulated Ring Type Current Transformers (Type TM)



Range and Specification

Category No.	Ratio (A)	Burden (VA)	CLASS	Dimensions (mm)		
				ID	OD	Width
TM5A-1	50/5	5	5	30	85	50
TM5A-2	60/5	5	5	30	85	50
TM5A-3	75/5	5	5	30	85	50
TM5A-4	100/5	5	1	30	85	50
TM5A-5	150/5	5	1	30	85	50
TM5A-6	200/5	10	1	50	100	45
TM5A-7	250/5	10	1	50	100	45
TM5A-8	300/5	10	1	50	100	35
TM5A-9	400/5	15	1	60	105	35
TM5A-10	500/5	15	1	60	105	35
TM5A-11	600/5	15	1	60	105	35
TM5A-12	800/5	15	1	104	138	34
TM5A-13	1000/5	15	1	104	138	34
TM5A-14	1200/5	15	1	104	138	34
TM5A-15	1500/5	15	1	115	160	34
TM5A-16	1600/5	15	1	115	160	34
TM5A-17	2000/5	15	1	115	160	34
TM5A-18	2500/5	15	1	140	185	34
TM5A-19	3000/5	15	1	140	185	34
TM5A-20	4000/5	15	1	140	185	34

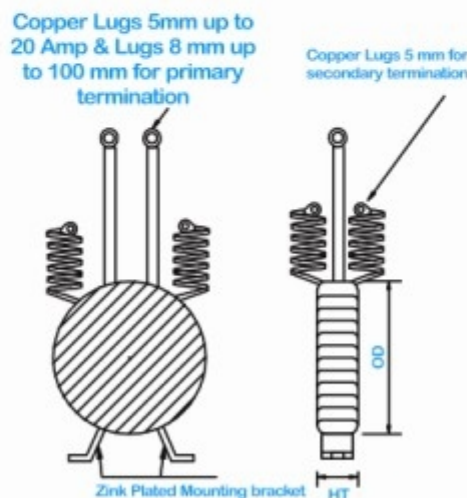
Tape Insulated Ring Type Economy Current Transformers (Type TMe)



Range and Specification

Category No.	Ratio (A)	Burden (VA)	CLASS	Dimensions (mm)		
				ID	OD	Width
TMe-1	50/5	2.5	5	35	75	35
TMe-2	60/5	2.5	5	35	75	35
TMe-3	75/5	2.5	5	35	75	35
TMe-4	100/5	2.5	1	38	70	35
TMe-5	150/5	5	1	38	70	35
TMe-6	200/5	5	1	38	100	32
TMe-7	250/5	10	1	38	70	32
TMe-8	300/5	10	1	60	87	30
TMe-9	400/5	15	1	60	87	30
TMe-10	500/5	15	1	70	100	35
TMe-11	600/5	15	1	70	100	35
TMe-12	800/5	15	1	70	100	35

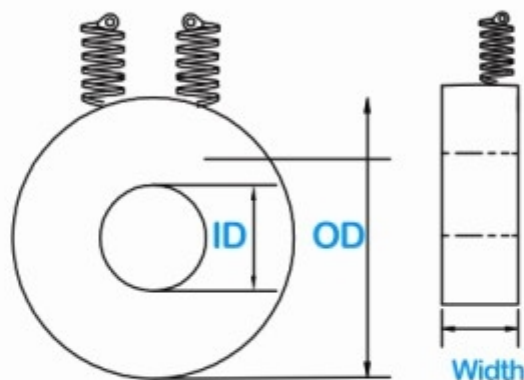
Tape Insulated Wound Primary Current Transformers (Type TWM)



Range and Specification

Category No.	Primary Current	VA	CLASS	Dim. in (mm)	
				OD	HT
TWM 1A & 5A-1	1	5/10/15	1	100	50
TWM 1A & 5A-2	5	5/10/15	1	100	50
TWM 1A & 5A-3	10	5/10/15	1	100	50
TWM 1A & 5A-4	15	5/10/15	1	100	50
TWM 1A & 5A-5	25	5/10/15	1	100	50
TWM 1A & 5A-6	30	5/10/15	1	100	50
TWM 1A & 5A-7	50	5/10/15	1	100	50
TWM 1A & 5A-8	60	5/10/15	1	100	50
TWM 1A & 5A-9	75	5/10/15	1	100	50
TWM 1A & 5A-10	100	5/10/15	1	100	50

ABS Encapsulated Ring Type Metering Current Transformers (EMCT)

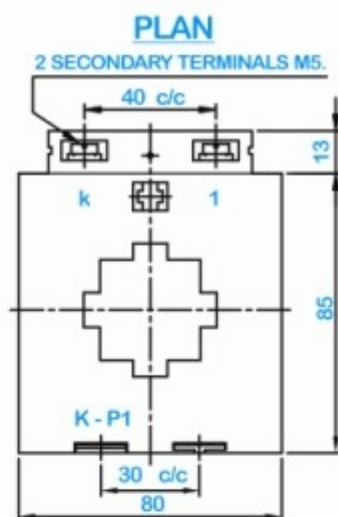


Range and Specification

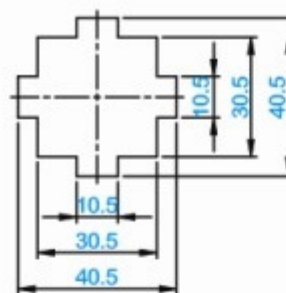
ABS Encapsulated Ring Type Metering Current Transformers (EMCT)

Category No.	Ratio	VA	CL	ID	OD	WIDTH
EMCT 1	50/5	3	5	30	85	48
	60/5	3	5	30	85	48
	75/5	3	5	30	85	48
	100/5	2.5	1	30	85	48
	150/5	5	1	30	85	48
EMCT 2	200/5	10	1	52	95	45
	250/5	10	1	52	95	45
	300/5	10	1	52	95	45
	400/5	15	1	60	100	38
	500/5	15	1	60	100	38
EMCT 3	600/5	15	1	60	100	38
	800/5	15	1	60	100	38
	1000/5	15	1	60	100	38
EMCT 4	1000/5	15	0.5	125	175	38
	1200/5	15	0.5	125	175	38
	1600/5	15	0.5	125	175	38
	2000/5	15	0.5	125	175	38
	2500/5	15	0.5	125	175	38
	3000/5	15	0.5	125	175	38
	4000/5	15	0.5	125	175	38

ABS Casing Box Type Bar Primary Metering CT (Type REC 04)

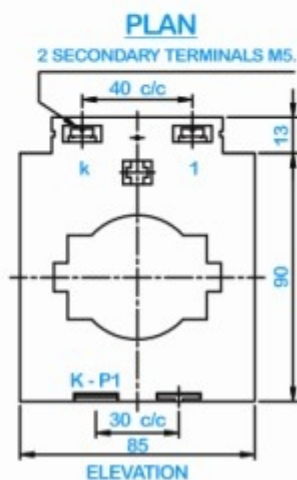


ABS Casing Box Type Bar primary Metering CT

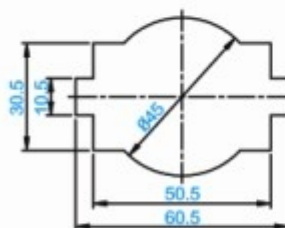


Ratio(A)	Burden(VA)	Class
50/5	1.5	1
60/5	1.5	1
75/5	1.5	1
80/5	1.5	1
100/5	2.5	1
150/5	5	1
200/5	5	1
250/5	5	1
300/5	5	1
400/5	10	1
500/5	15	1
600/5	15	1

ABS Casing Box Type Bar Primary Metering CT (Type REC 05)

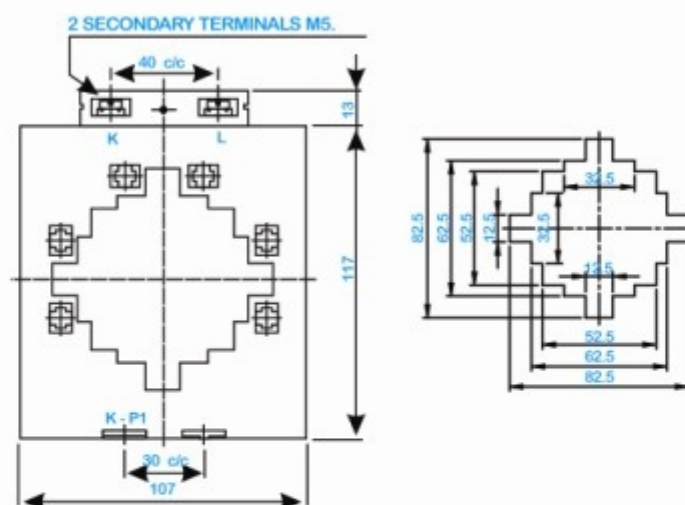
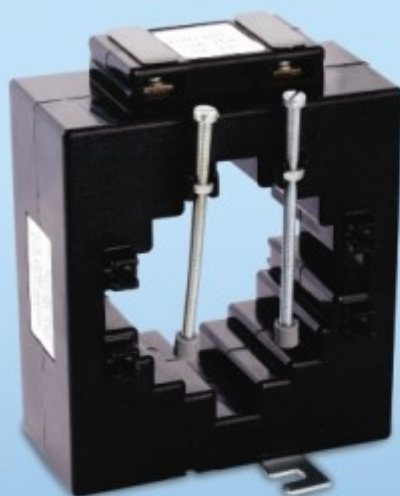


ABS Casing Box Type Bar primary Metering CT



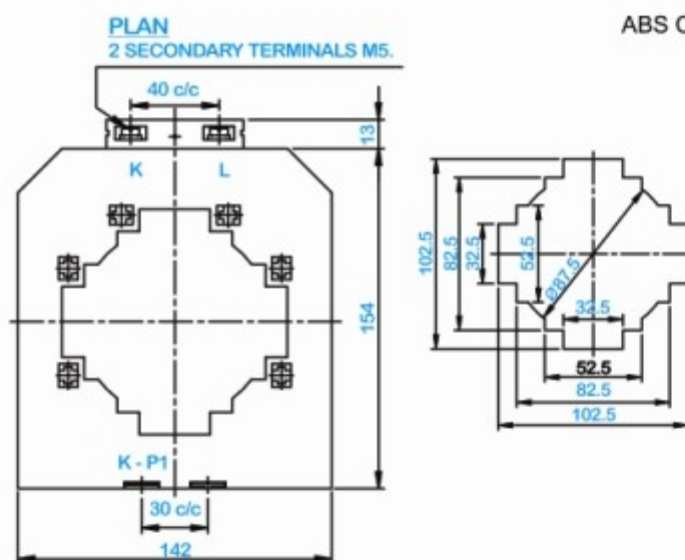
Ratio(A)	Burden(VA)	Class
300/5	5	1
400/5	10	1
500/5	10	1
600/5	10	1
750/5	10	1
800/5	10	1
1000/5	10	1
1200/5	15	1
1250/5	15	1

ABS Casing Box Type Bar Primary Metering CT (Type REC 06)



Ratio(A)	Burden(VA)	Class
400/5	2.5	1
500/5	5	1
600/5	10	1
750/5	10	1
800/5	10	1
1000/5	15	1
1200/5	15	1
1250/5	15	1
1500/5	15	1
1600/5	15	1

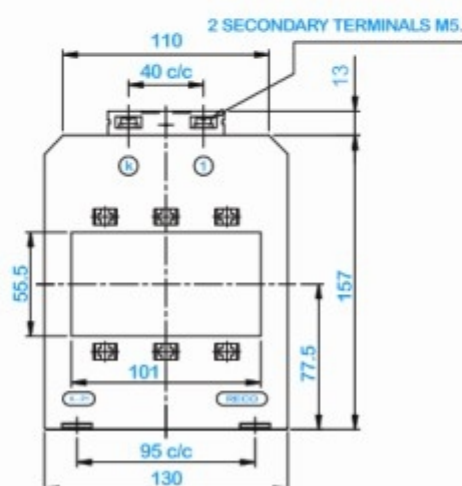
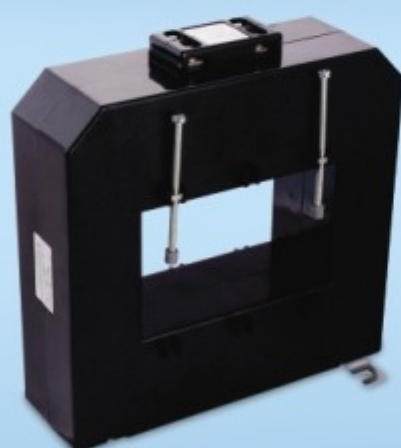
ABS Casing Box Type Bar Primary Metering CT (Type REC 07)



ABS Casing Box Type Bar primary Metering CT

Ratio(A)	Burden(VA)	Class
400/5	7.5	1
500/5	5	1
600/5	5	1
750/5	10	1
800/5	10	1
1000/5	15	1
1200/5	15	1
1250/5	15	1
1500/5	15	1
1600/5	15	1
2000/5	15	1
2500/5	15	1
3000/5	15	1

ABS Casing Box Type Bar Primary Metering CT (Type REC 08)



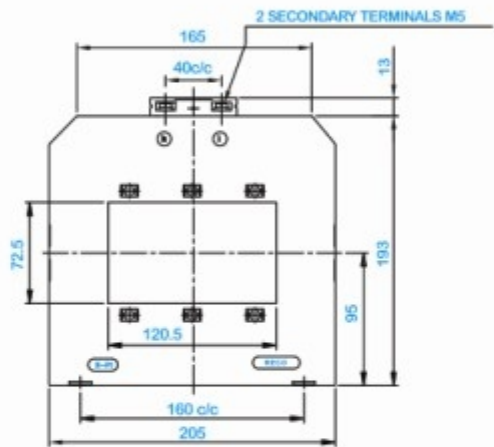
ABS Casing Box Type Bar primary Metering CT

Ratio(A)	Burden(VA)	Class
600/5	15	1
750/5	15	1
800/5	15	1
1000/5	15	1
1200/5	15	1
1250/5	15	1
1500/5	15	1
1600/5	15	1
2000/5	15	1
2500/5	15	1
3000/5	15	1
4000/5	15	1



ABS Casing Box Type Bar Primary Metering CT (Type REC 09)

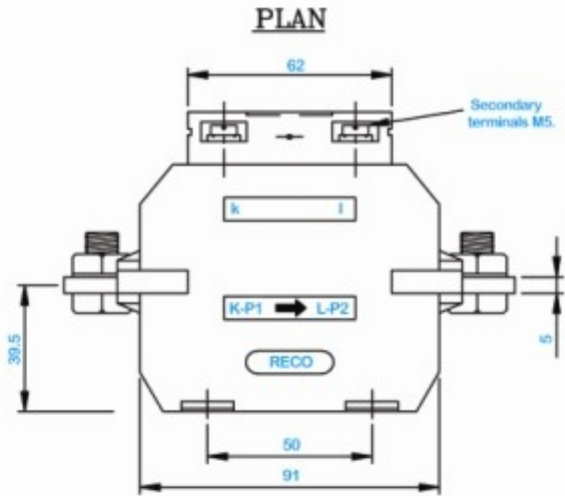
ABS Casing Box Type Bar primary Metering CT



Ratio(A)	Burden(VA)	Class
600/5	15	1
750/5	15	1
800/5	15	1
1000/5	15	1
1200/5	15	1
1250/5	15	1
1500/5	15	1
1600/5	15	1
1800/5	15	1
2000/5	15	1
2500/5	15	1
3000/5	15	1
4000/5	15	1
5000/5	15	1



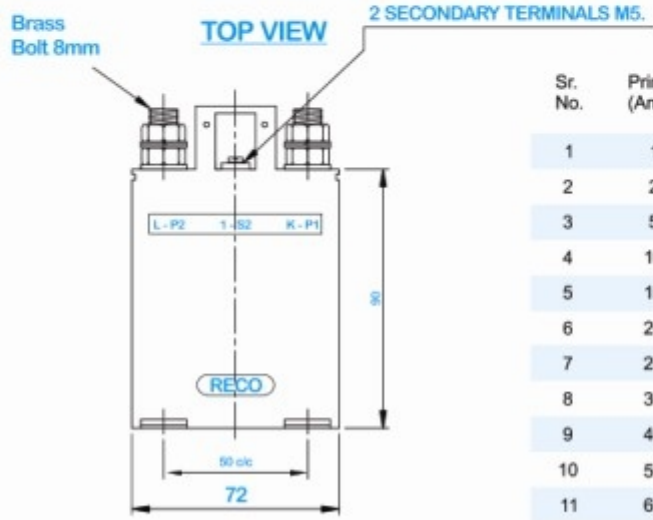
ABS Casing Box Type Wound Primary Metering CT (Type REC - W04)



Sr. No.	Primary (Amp)	Secondary Burden (VA)	1 Amp. & 5 Amp. Accuracy Class
1	50	5/10	0.5/1
2	60	5/10	0.5/1
3	75	5/10	0.5/1
4	100	5/10	0.5/1
5	125	5/10	0.5/1
6	150	5/10	0.5/1



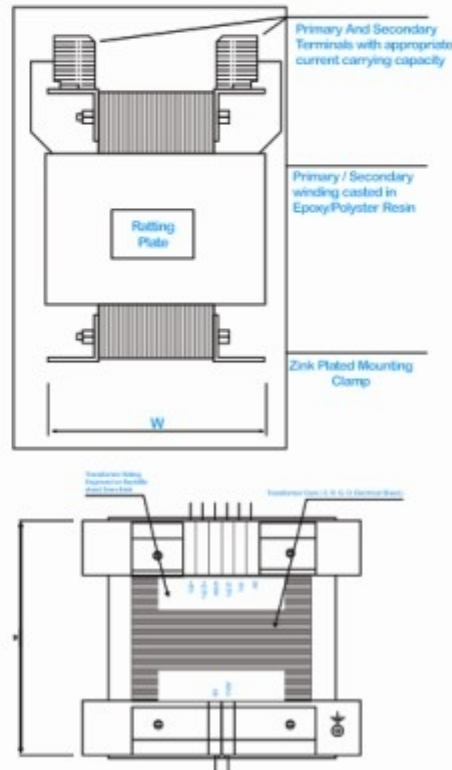
ABS Casing Box Type Wound Primary Metering CT (Type REC - W03)



Sr. No.	Primary (Amp)	Secondary Burden (VA)	1 Amp. & 5 Amp. Accuracy Class
1	1	5/10	0.5/1
2	2	5/10	0.5/1
3	5	5/10	0.5/1
4	10	5/10	0.5/1
5	15	5/10	0.5/1
6	20	5/10	0.5/1
7	25	5/10	0.5/1
8	30	5/10	0.5/1
9	40	5/10	0.5/1
10	50	5/10	0.5/1
11	60	5/10	0.5/1
12	75	5/10	0.5/1



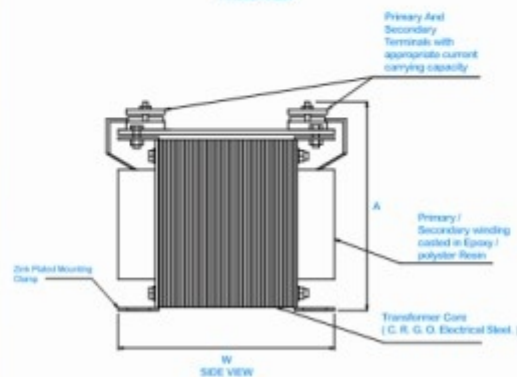
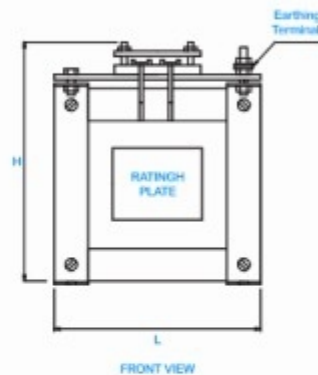
Epoxy/Polyester Resin Cast/ Tape Insulated Control Transformer



Range and Specification

Ratio	VA	Overall Dimensions			Weight Kg.
		Height mm	Length mm	Width mm	
415/110V	50	100	100	85	3
415/110V	100	110	120	95	4
415/110V	200	130	130	110	7
415/110V	500	180	180	120	12
415/110V	750	180	180	135	15
415/110V	1000	240	210	180	20
415/110V	1500	240	210	180	25
415/110V	2000	250	260	190	30
415/110V	2500	290	260	210	30
415/110V	3000	300	260	210	35
415/110V	4000	400	280	210	60
415/110V	5000	410	300	210	65
415/110V	7500	480	325	250	90
415/110V	10000	525	350	250	110
415/110V	15000	550	350	280	140

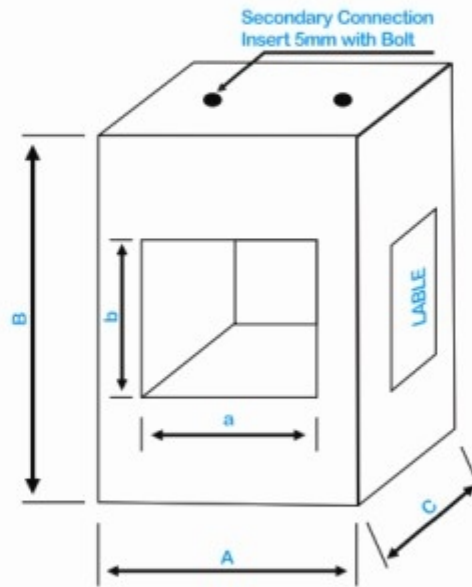
Epoxy/Polyester Resin Cast / Tape Insulated Voltage Transformer



Cat No.	Rated Prim. Volt.	Rated Sec. Volt.	VA	ACC. Class	Overall Dimension		
					Height H mm	Length L mm	Width W mm
PT50 VA-01	415/√3	110/√3	50	0.5	130	140	115
PT50 VA-02	415/√3	110/√3	50	0.5/3P	130	140	115
PT50 VA-03	415/√3	110/√3	50	1	130	140	115
PT50 VA-04	415	110	50	1	130	140	115
PT50 VA-05	415/√3	110/√3	50	3P	130	140	115
PT50 VA-06	415	110	50	3P	130	140	115
PT50 VA-07	415/√3	110/√3	50	1/3P	130	140	115
PT50 VA-08	415	110	50	1/3P	130	140	115

PT50 VA-01	415/√3	110/√3	100	0.5	165	143	155
PT50 VA-02	415/√3	110/√3	100	0.5/3P	165	143	155
PT50 VA-03	415/√3	110/√3	100	1	165	143	155
PT50 VA-04	415	110	100	1	165	143	155
PT50 VA-05	415/√3	110/√3	100	3P	165	143	155
PT50 VA-06	415	110	100	3P	165	143	155
PT50 VA-07	415/√3	110/√3	100	1/3P	165	143	155
PT50 VA-08	415	110	100	1/3P	165	143	155

Epoxy/PU/Polyester Cast Resin Metering And Protection Ct's Secondary 1A/5A



Ratio		VA	CL	ID a*b
PRIMARY	SECONDARY			
400	1A, 5A	15	1/5P10	105x20
400	1A, 5A	15	1/5P10	55X32
400	1A, 5A	15	1/5P10	105x20
600	1A, 5A	15	1/5P10	105x20
600	1A, 5A	15	1/5P10	55X32
800	1A, 5A	15	1/5P10	105x20
800	1A, 5A	15	1/5P10	55X32
800	1A, 5A	15	1/5P10	105x20
1000	1A, 5A	15	1/5P10	105x20
1000	1A, 5A	15	1/5P10	55X32
1000	1A, 5A	15	1/5P10	55X62
1000	1A, 5A	15	1/5P10	105x20
1250	1A, 5A	15	1/5P10	105x32
1250	1A, 5A	15	1/5P10	105x47
1250	1A, 5A	15	1/5P10	55X62
1250	1A, 5A	15	1/5P10	80X62
1600	1A, 5A	15	1/5P10	105x47
1600	1A, 5A	15	1/5P10	105x62
1600	1A, 5A	15	1/5P10	80X62
1600	1A, 5A	15	1/5P10	156x47
2000	1A, 5A	15	1/5P10	105x62
2000	1A, 5A	15	1/5P10	105x85
2000	1A, 5A	15	1/5P10	156x70
2000	1A, 5A	15	1/5P10	156x90
2500	1A, 5A	15	1/5P10	105x85
2500	1A, 5A	15	1/5P10	156x70
2500	1A, 5A	15	1/5P10	105x62
2500	1A, 5A	15	1/5P10	156x115
2500	1A, 5A	15	1/5P10	156x90
3000	1A, 5A	15	1/5P10	105x85
3000	1A, 5A	15	1/5P10	156x115
3200	1A, 5A	15	1/5P10	156x115
3500	1A, 5A	15	1/5P10	156x115
4000	1A, 5A	15	1/5P10	156x115
5000	1A, 5A	15	1/5P10	220x95
5000	1A, 5A	15	1/5P10	156x220
5000	1A, 5A	15	1/5P10	220x125
5000	1A, 5A	15	1/5P10	220x95
5000	1A, 5A	15	1/5P10	156x220
5000	1A, 5A	15	1/5P10	220x125
6300	1A, 5A	15	1/5P10	220x95
6300	1A, 5A	15	1/5P10	156x220
6300	1A, 5A	15	1/5P10	220x125

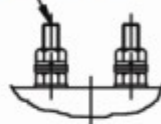
TYPES OF SECONDARY TERMINAL ARRANGEMENT. TYPE 1

EACH SECONDARY TERMINAL
M5 SCREW, WITH 2 WASHERS
& 1 SPRING WASHERS



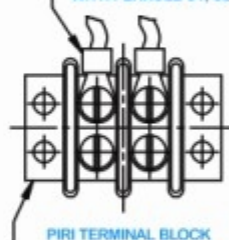
TYPE 2

EACH SECONDARY TERMINAL
M5 STUD, WITH 2 NUTS,
3 WASHERS
& 1 SPRING WASHER



TYPE 3

RING TYPE LUGS
WITH FERRULE S1, S2



TYPE 4

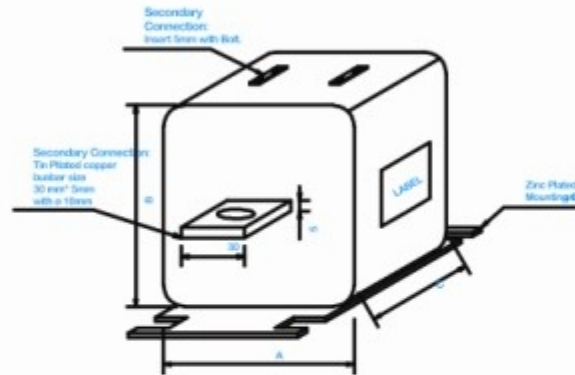
EACH SECONDARY TERMINAL
M5 SCREW, WITH 2 WASHERS
& 1 SPRING WASHERS



Epoxy Polyester/PU Cast Resin Wound Primary Metering C. T. Secondary 1A/5A



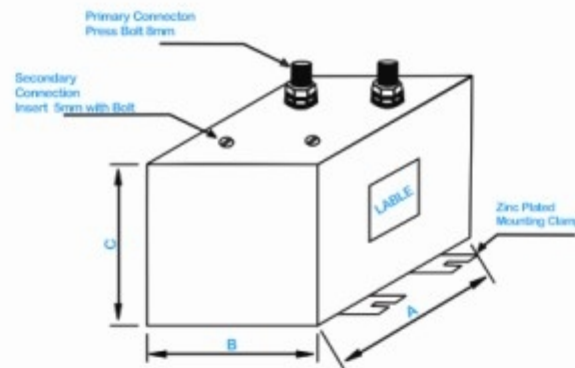
MODEL NO. : 1



E/RWM 1A & 5A

Model No.	Primary Current	V A	Class	Overall Dimensions	
				A*B	C
1	1	5/10/15	0.5/1	125*95	95
	5	5/10/15	0.5/1	125*95	95
	10	5/10/15	0.5/1	125*95	95
	15	5/10/15	0.5/1	125*95	95
	25	5/10/15	0.5/1	125*95	95
	03	5/10/15	0.5/1	125*95	95
	50	5/10/15	0.5/1	125*95	95
	60	5/10/15	0.5/1	125*95	95
	75	5/10/15	0.5/1	125*95	95
	100	5/10/15	0.5/1	125*95	95
	125	5/10/15	0.5/1	125*95	95

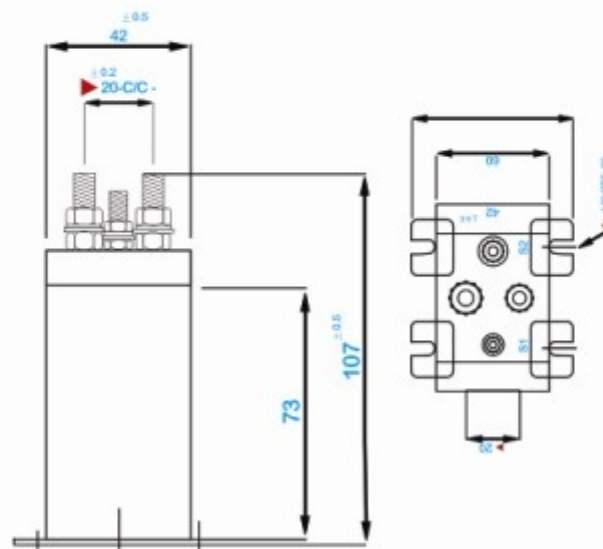
MODEL NO. : 2



E/RWM 1A & 5A

Model No.	Primary Current	V A	Class	Overall Dimensions	
				A*B	C
2	1	5/10/15	0.5/1	125*95	95
	5	5/10/15	0.5/1	125*95	95
	10	5/10/15	0.5/1	125*95	95
	15	5/10/15	0.5/1	125*95	95
	25	5/10/15	0.5/1	125*95	95
	03	5/10/15	0.5/1	125*95	95
	50	5/10/15	0.5/1	125*95	95
	60	5/10/15	0.5/1	125*95	95
	75	5/10/15	0.5/1	125*95	95
	100	5/10/15	0.5/1	125*95	95
	125	5/10/15	0.5/1	125*95	95

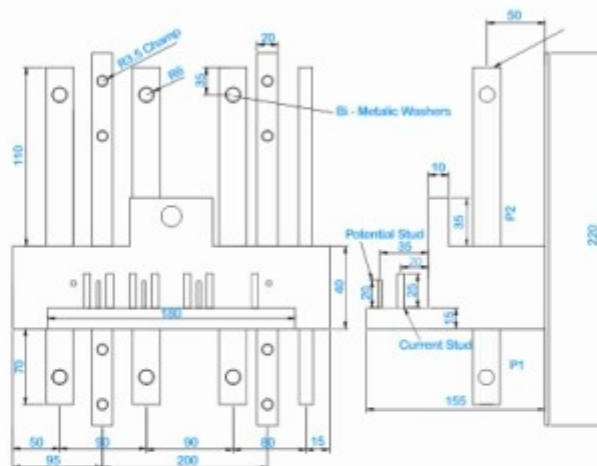
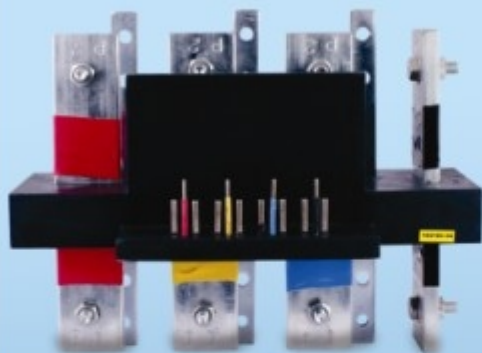
MODEL NO. : 3



E/RWM 1A & 5A

Model No.	Primary Current	V A	Class	Overall Dimensions	
				A*B	C
3	1	5	1	85X40	70
	5	5	1	85X40	70
	10	5	1	85X40	70
	15	5	1	85X40	70
	25	5	1	85X40	70
	03	5	1	85X40	70
	50	5	1	85X40	70
	60	5	1	85X40	70
	75	5	1	85X40	70
	100	5	1	85X40	70
	125	5	1	85X40	70

3 Phase Metering CT's For Electricity Board



Ratio	Burden(VA)	Class
50/5	2.5/5	0.5
100/5	2.5/5	0.5
150/5	2.5/5	0.5
200/5	2.5/5	0.5
300/5	2.5/5	0.5
600/5	2.5/5	0.5
1000/5	2.5/5	0.5
1500/5	2.5/5	0.5
2000/5	2.5/5	0.5
2500/5	2.5/5	0.5

we also offer 0.2S Class accuracy

APPROVAL WITH MSEDCL - INFRA DTC AND LTMD METERING CTS FOR ELECTRICITY BOARD



Ratio

50/5
100/5
150/5
200/5
300/5
400/5
500/5
600/5
800/5
1000/5

ID

WPL
25
30
40
40
40
40
40
55
55
55

OD

75
75
75
77
77
95
95
120
130
130

HT

90
72
45
45
45
45
30
30
30
30

ALL 5VA AND CLASS 0.5



APPLICABLE STANDARDS FOR CURRENT TRANSFORMERS

INDIAN STANDARD : IS 2705,1992

INTERNATIONAL ELECTROTECHNICAL COMMISSION : IEC 066044-1 ,2003

FOR VOLTAGE TRANSFORMERS

INDIAN STANDARD : IS 3156 , 1992

INTERNATIONAL ELECTROTECHNICAL COMMISSION : IEC 066044-2 ,2003

FOR CONTROL TRANSFORMERS

INDIAN STANDARD : IS -12021, 1987

INTERNATIONAL ELECTROTECHNICAL COMMISSION : IEC 066044- ,2003

BASIC CT ,PT & CONTROL TRANSFORMERS ORDERING SPECIFICATIONS

EXAMPLE

FOR METERING

RATIO : PRIMARY AMP/SECONDARY AMP.....
TYPE BPL (BAR PRIMARY)/ WPL (WOUND PRIMARY).....
VA (BURDEN): 5,10,15,20,50.....
ACCURACY CLASS : 0.2,0.5,1,3,5.....
WINDOW / BORE (ID).....
TERMINAL ARRANGEMENT : SHORTER SIDE, LONGER SIDE, BOTH SIDE.....
TERMINAL TYPE : INSERT/STUD.....
MOUNTING CLAMP.....
CONSTRUCTION OF THE CT : TAPE/RESIN/EPOXY/PU.....
QTY.....

100/5
WPL
10
1
NA
SHORTER
INSERT
YES
RESIN
3

FOR PROTECTION

RATIO : PRIMARY AMP/SECONDARY AMP.....
VA (BURDEN): 5,10,15.....
CL : 5P5,5P10,5P15,5P20,10P10.....
WINDOW (ID)OR BUSBAR SIZE.....
TERMINAL ARRANGEMENT : SHORTER SIDE, LONGER SIDE, BOTH SIDE.....
TERMINAL TYPE : INSERT/STUD.....
CONSTRUCTION OF THE CT : TAPE/RESIN/EPOXY/PU.....
QTY.....

1000/1
15
5P10
80X40 WINDOW
SHORTER
INSERT
RESIN
6

FOR PS CL

RATIO : PRIMARY AMP/SECONDARY AMP.....
WINDOW (ID)OR BUSBAR SIZE.....
SECONDARY RESISTANCE (RCT).....
KNEE POINT VOLTAGE VK.....
MAGNETISATION CURRENT Imag at VK/2, VK/4.....
FAULT LEVEL KA.....

4000/1
180X90 WINDOW
<15 OHM
380 V
30 Ma @ vk/2
49 KA

FORMULA FOR VK = 2 X If (Rct + 2 Rl) WHERE Rct= RESISTANCE OF THE
SECONDARY WIRE , Rl= LOAD RESISTANCE, If= FAULT LEVEL
TERMINAL ARRANGEMENT : SHORTER SIDE, LONGER SIDE, BOTH SIDE.....
TERMINAL TYPE : INSERT/STUD.....
CONSTRUCTION OF THE CT : TAPE/RESIN/EPOXY/PU.....
QTY.....

BOTH SIDE
INSERT
EPOXY
10

FOR VOLTAGE TRANSFORMERS

RATED TRANSFORMATION RATIO.....
NO OF SECONDARY WINDINGS.....
RATED BURDEN.....
OPERATING FREQUENCY : 50 Hz / 60 Hz.....
TYPE: METERING /PROTECTION.....
ACCURACY CL : 0.5,1, 3P.....
HIGHEST SYSTEM VOLTAGE.....
TYPE OF SUPPLY : 1 PHASE , 3 PHASE.....
RATED VOLTAGE FACTOR & DURATION: 1.2 CONTINUOUS FOR 30 SEC.....
RATED INSULATION LEVEL : 0.66 /3.0 KV.....

415/RT3/110/RT3
1
100 VA
50 Hz
METERING
3P
0.66 KV
1 PHASE
1.2 /30 SEC.

FOR CONTROL TRANSFORMERS

RATED PRIMARY AND SECONDARY VOLTAGES.....
RATED FREQUENCY.....
RATED OUTPUT AND RATED SHORT TIME OUTPUT.....
POWER FACTOR OF RATED SHORT TIME BURDEN.....
CLASS OF INSULATION.....

415/240 V
50 Hz
500/1000 VA
0.8 PF
E

All products type tested at ERDA.

Clientele

SIEMENS

Schneider
Electric



TATA
TATA POWER



RELIANCE Energy
Anil Dhirubhai Ambani Group

sterling
generators

ESSAR **minilec**

Approvals

ThyssenKrupp



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TOYO ENGINEERING INDIA LTD.
TOYO INDIA



B Mehtalia consultants

TATA CONSULTING ENGINEERS LIMITED


NPCIL

Shroff



PRODUCTS

- METERING CT
- PROTECTION CT
- PS CL CT
- SUMMATION CT
- INTERPOSING CT
- FEEDBACK CT
- CBCT
- CT'S FOR EFR
- LT CT BANK
- VOLTAGE TRANSFORMERS
- CONTROL TRANSFORMERS
- CHOKES & REACTORS

CONSTRUCTIONS

- TAPE INSULATED
- ABS ENCAPSULATED
- POLYESTER
- EPOXY
- POLYURETHENE (PU)



RECO TRANSFORMERS PVT. LTD.

AN ISO 9001 : 2008 COMPANY

Manufactures & Exporters of Low Tension Transformers

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