

● INTRODUCTION

Current Transformer was used to change the high primary current to low secondary current. Connected with the Panel Meter or Relay, they can help to measure the current or protect the equipments which were connected to the high voltage line.

● SELECTION OF THE CURRENT TRANSFORMER

To select the Current Transformer correctly, the following points should be clarified:

- The application (for measuring or protection)
- The features of the working environment (indoor or outdoor, operating temperature, air humidity etc...)
- Operation voltage and frequency
- Range of the primary current (maximum and minimum of the current to be measured)
- Dimension of the cable or bus bar
- Data of the overload
- Short circuit current
- Specification of the measuring device associated with the Current Transformer (accuracy, rated current, consumption etc...)
- The diameter and length of the cable which was used to connect the Current Transformer and associated measuring device

● POWER LOSSES OF THE CURRENT TRANSFORMER

In the practical application, the power generated by the primary current should be equal or bigger than the power requirement of the associated measuring device plus the consumption of the connecting line.

Losses in the line, P_L :

This is the power lost, through heat, generated by the passage of current through the resistance R_L in the cables, in the transformer's secondary circuit.

Factors to be taken into account:

Secondary current: $P_L = R_L \cdot I^2$

Cable diameter: R_L is inversely proportional to the square of the diameter

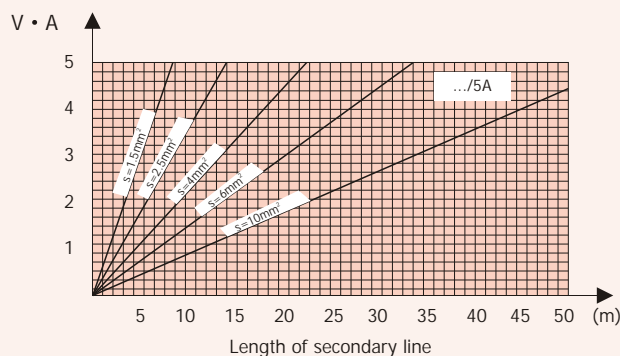
Cable length: R_L is proportional to the length of cabling (there and back)

Power:

The nominal apparent power ($V \cdot A$) with a specified power factor, which was supplied by the Current Transformer, to the secondary current with the assigned current when it is connected to its nominal load, $S_c (V \cdot A) = Z_c \cdot (I_s)^2$

According to Standards, for apparent power greater than or equal to $5 V \cdot A$, the power factor is 0.8 inductive. For apparent power less than $5 V \cdot A$ the power factor is considered to be one (unity).

● TABLE OF LOSSES IN THE SECONDARY LINE



Note: With.../1A transformers losses are reduced 25 times

● ACCURACY OF A TRANSFORMER

The percentage of error, produced in a transformer, is established by IEC60044-1. In measurement transformers: 25 % and 100 % of nominal power. In protection transformers: 100 % of nominal power.

● ERROR LIMITS. TABLE 1. ACCURACY CLASSES

Type	± % Error for % I _n				Phase difference ± for % I _n							
					Minutes				Centiradians			
	5	20	100	120	5	20	100	120	5	20	100	120
0,1	0.40	0.20	0.10	0.10	15	8	5	5	0,45	0,24	0,15	0,15
0,2	0.75	0.35	0.20	0.20	30	15	10	10	0,9	0,45	0,30	0,30
0,5	1.50	0.75	0.50	0.50	90	45	30	30	2,7	1,35	0,90	0,90
1,0	3.00	1.50	1.00	1.00	180	90	60	60	5,4	2,70	1,80	1,80

● ERROR LIMITS. TABLE 2. ACCURACY CLASSES

Type	± % Error for % I _n					Phase difference ± for % I _n									
						Minutes					Centiradians				
	1	5	20	100	120	1	5	20	100	120	1	5	20	100	120
0,2S	0.75	0.35	0.20	0.20	0.20	30	15	10	10	10	0,90	0,45	0,30	0,30	0,30
0,5S	1.50	0.75	0.50	0.50	0.50	90	45	30	30	30	2,70	1,35	0,90	0,90	0,90

● ERROR LIMITS. TABLE 3. ACCURACY CLASSES

Accuracy class	± % Error for % I _n	
% I _n	50	120
3	3	3
5	5	5

No. phase error

● FOR PROTECTION TRANSFORMERS

Type	± % Error for % I _n	Phase difference ± for % I _n		Composite error
		Minutes	Centiradians	
5P	±1	±60	±1,8	5
10P	±3	--	--	10

● SATURATED CONDITION OF CURRENT TRANSFORMER

The current transformer is saturated if the primary current, passing through the CT, is greater than the nominal rating of the CT.

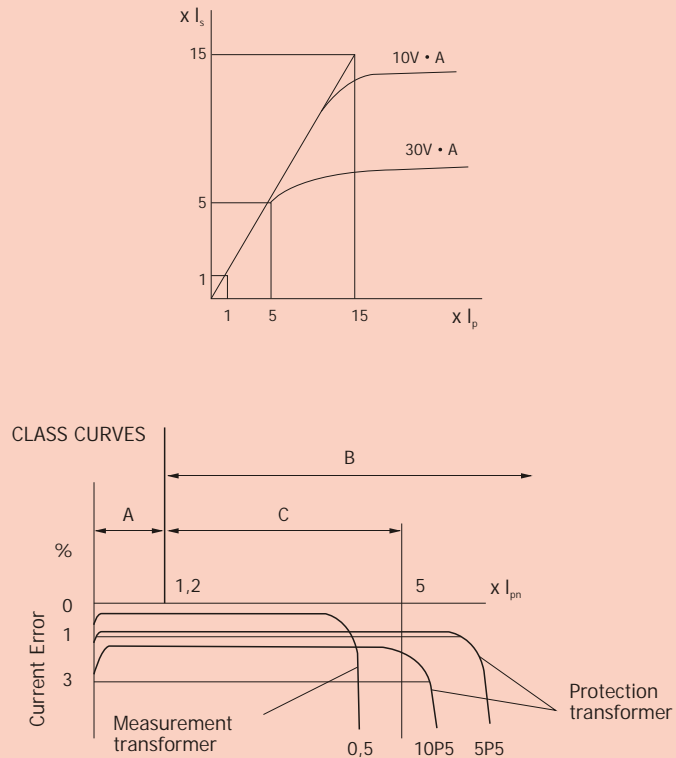
The linearity of current transformation, between the primary and secondary sides decreases, so error increases. The saturation of the transformer is inversely proportional to the load (fig. 5).

The difference between measuring and protection current transformers is their behavior when an overload occurs on the primary side. Measuring CT is saturated when there is a primary current overload. In order to protect the equipment, on the secondary side, protection CT will not saturate until there is a very high current on the primary side.

A Class 5P15 protection transformer indicates that it has an accuracy rating of ±1% that it does not become saturated until the primary current reaches 15 times the nominal current rating of the CT.

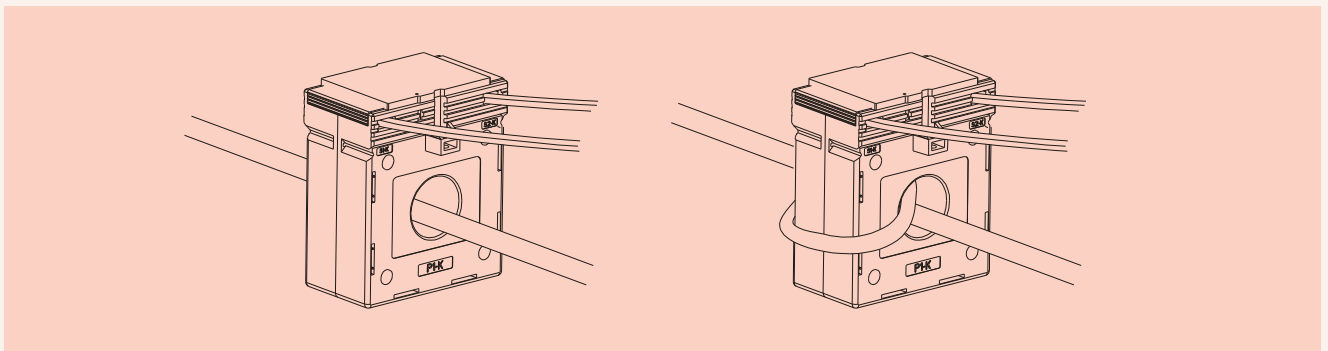
In measuring transformers, the SAFETY FACTOR "Fs" parameter indicates the excessive amperage on the primary side current in relation to the current sent to the measuring device on the secondary side.

FIG.5



● APPLICATION NOTE

If the primary current is too small, to keep the same accuracy and output, we can add primary winding, but the rated turns ratio should be the same. For example, if the primary current is 50A, we can use 100/5A Current Transformer with the primary current be turned twice which help to keep the same rated turns ratio ($1:50 = 2:100$).



● IMPORTANT NOTE:

- Improper selection, installation or operation can cause danger to personal security!
- Don't open the secondary circuit when the current is available in the primary circuit. Or it will cause high voltage which is dangerous to personal security!

ABO SERIES CURRENT TRANSFORMERS

DESCRIPTION

A new range (8 frames) perfect designed plastic case current transformer, advanced snap on body, high accuracy (up to Class 0.2S), humanization transparent cover and lead seal hole design makes the CT very easy to identify after long term use and perfect anti-stealing electricity.

FEATURE

Two built in fixing methods: 3 side base ; Busbar mounting
 Built in hinged terminal cover
 Built in transparent cover for name plate
 Wide range accuracy (3, 1, 0.5, 0.5S, 0.2, 0.2S) enables meet the worldwide requirement.
 Primary current from 5A to 5000A.


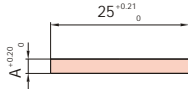
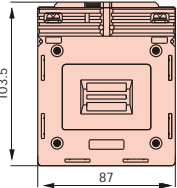
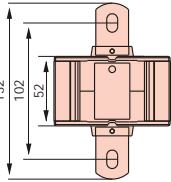
SPECIFICATIONS

Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current (I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A, 1A, 0.5A, 0.25A, 0.1A

*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5S	Class:0.5		
   	ABO-B	5/5	5	5	24	030100055
	ABO-B	10/5	5	5	24	030100105
	ABO-B	15/5	5	5	24	030100155
	ABO-B	20/5	5	5	24	030100205
	ABO-B	30/5	5	5	24	030100305
	ABO-B	40/5	5	5	24	030100405
	ABO-B	50/5	5	5	24	030100505
	ABO-B	60/5	5	5	24	030100605
	ABO-B	75/5	5	5	24	030100755
	ABO-B	80/5	5	5	24	030100805
	ABO-B	100/5	5	5	24	030101005
	ABO-B	150/5	5	5	24	030101505
	ABO-B	200/5	5	5	24	030102005
	ABO-B	250/5	5	5	24	030102505
	ABO-B	300/5	5	5	24	030103005
	ABO-B	400/5	5	5	24	030104005
	ABO-B	500/5	5	10	24	030105005
	ABO-B	600/5	5	10	24	030106005
ABO-B	800/5	5	10	24	030108005	
ABO-B	1000/5	5	10	24	030110005	

A

Ref.

Type

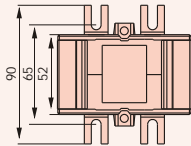
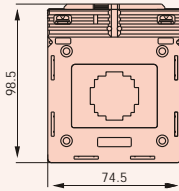
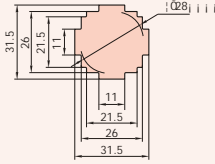
Ratio
(A)

Burden(VA)
Class: 0.5S Class: 0.5

Case
Qty. (Pcs)

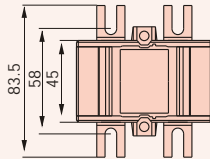
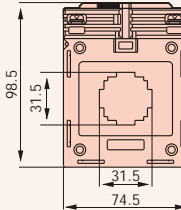
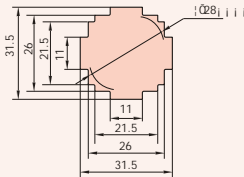
Item
Code

ABO-30T



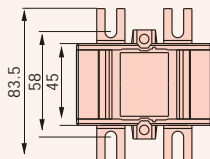
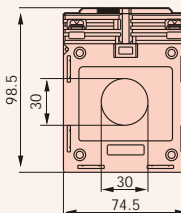
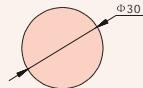
ABO-30T	50/5	1.5	2.5	36	030200505
ABO-30T	60/5	1.5	2.5	36	030200605
ABO-30T	75/5	2.5	3.75	36	030200755
ABO-30T	80/5	2.5	3.75	36	030200805
ABO-30T	100/5	2.5	3.75	36	030201005
ABO-30T	150/5	2.5	3.75	36	030201505
ABO-30T	200/5	2.5	3.75	36	030202005
ABO-30T	250/5	2.5	5	36	030202505
ABO-30T	300/5	2.5	5	36	030203005

ABO-30




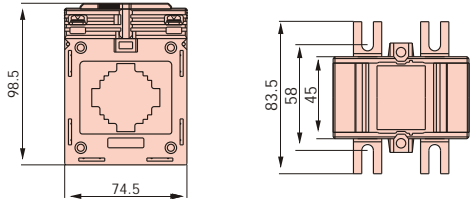
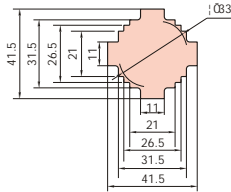
Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5S	Class: 0.5		
ABO-30	60/5	1.5	1.5	48	003000605
ABO-30	75/5	2.5	2.5	48	003000755
ABO-30	80/5	2.5	2.5	48	003000805
ABO-30	100/5	2.5	3.75	48	003001005
ABO-30	150/5	2.5	3.75	48	003001505
ABO-30	200/5	2.5	3.75	48	003002005
ABO-30	250/5	2.5	5	48	003002505
ABO-30	300/5	2.5	5	48	003003005

ABO-30C

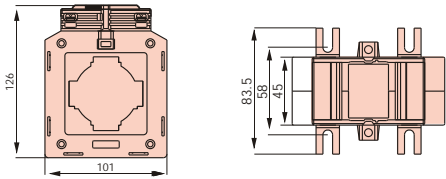
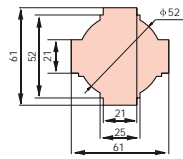


Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5S	Class: 0.5		
ABO-30C	50/5	1.5	1.5	48	003030505
ABO-30C	60/5	1.5	1.5	48	003030605
ABO-30C	75/5	2.5	2.5	48	003030755
ABO-30C	80/5	2.5	2.5	48	003030805
ABO-30C	100/5	2.5	3.75	48	003031005
ABO-30C	150/5	2.5	3.75	48	003031505
ABO-30C	200/5	2.5	3.75	48	003032005
ABO-30C	250/5	2.5	5	48	003032505
ABO-30C	300/5	2.5	5	48	003033005

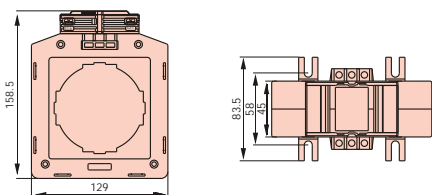
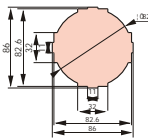
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			Class:0.5S	Class:0.5		
ABO-40 	ABO-40	75/5	-	1.5	48	004000755
	ABO-40	80/5	-	1.5	48	004000805
	ABO-40	100/5	1.5	2.5	48	004001005
	ABO-40	150/5	2.5	5	48	004001505
	ABO-40	200/5	2.5	5	48	004002005
	ABO-40	250/5	5	5	48	004002505
	ABO-40	300/5	5	5	48	004003005
	ABO-40	400/5	5	5	48	004004005
	ABO-40	500/5	5	5	48	004005005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class:0.5S	Class:0.5		
ABO-60	200/5	2.5	3.75	30	006002005
ABO-60	250/5	3.75	5	30	006002505
ABO-60	300/5	3.75	5	30	006003005
ABO-60	400/5	3.75	5	30	006004005
ABO-60	500/5	3.75	5	30	006005005
ABO-60	600/5	5	10	30	006006005
ABO-60	750/5	5	10	30	006007505
ABO-60	800/5	5	10	30	006008005
ABO-60	1000/5	5	10	30	006010005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class:0.5S	Class:0.5		
ABO-85	750/5	5	10	20	008507505
ABO-85	800/5	5	10	20	008508005
ABO-85	1000/5	5	10	20	008510005
ABO-85	1200/5	5	10	20	008512005
ABO-85	1500/5	5	10	20	008515005



A

Ref.

Type

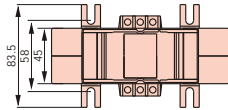
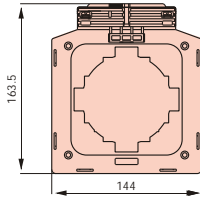
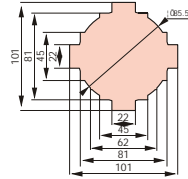
Ratio
(A)

Burden(VA)
Class: 0.5S Class: 0.5

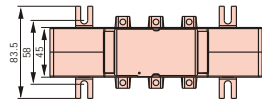
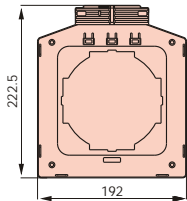
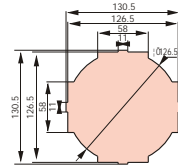
Case
Qty. (Pcs)

Item
Code

ABO-100



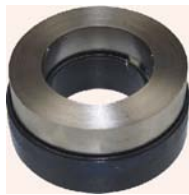
ABO-125



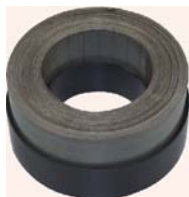
ABO-100	800/5	5	10	20	010008005
ABO-100	1000/5	5	10	20	010010005
ABO-100	1200/5	7.5	10	20	010012005
ABO-100	1500/5	7.5	10	20	010015005
ABO-100	1600/5	7.5	10	20	010016005
ABO-100	2000/5	10	15	20	010020005
ABO-100	2500/5	10	15	20	010025005
ABO-100	3000/5	10	15	20	010030005

Type	Ratio (A)	Burden(VA) Class: 0.5S Class: 0.5		Case Qty. (Pcs)	Item Code
ABO-125	1500/5	7.5	10	10	012515005
ABO-125	1600/5	7.5	10	10	012516005
ABO-125	2000/5	10	15	10	012520005
ABO-125	2500/5	10	15	10	012525005
ABO-125	3000/5	10	15	10	012530005
ABO-125	4000/5	15	20	10	012540005
ABO-125	5000/5	15	20	10	012550005

A. Permalloys Core



B. Silicon Core



ABO-B



Accessory (Except ABO-B)

DBP SERIES SPLIT CORE CURRENT TRANSFORMERS

DESCRIPTION

The DP series current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. The connection of conventional CTs usually requires the interruption of the primary side circuit to pass cables or bur-bars through the transformer core or to connect such cables to the primary terminals. The DBP series transformers core may be easily opened and they may be installed and connected without any supply interruption. Thus saving time and the installation costs.

FEATURE

Two built in fixing methods: Base; Busbar mounting
 Very easy to mounting.
 Wide inner window, allowing clamping of big cables or bus-bars.
 Wide range of sizes to accommodate all the existing installations.
 Primary current from 5A to 5000A.



SPECIFICATIONS

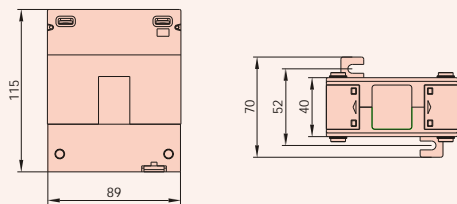
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A


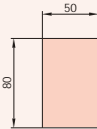
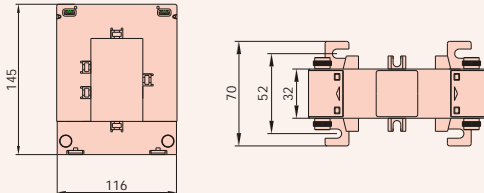
*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
 	DBP-23	200/5	-	1.5	20	402302005
	DBP-23	250/5	-	2.5	20	402302505
	DBP-23	300/5	1.5	2.5	20	402303005
	DBP-23	400/5	2.5	3.75	20	402304005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code	
		Class: 0.5	Class: 1.0			
  	DBP-58	250/5	-	1.5	10	405802505
	DBP-58	300/5	-	2.5	10	405803005
	DBP-58	400/5	1.5	2.5	10	405804005
	DBP-58	500/5	2.5	5	10	405805005
	DBP-58	600/5	2.5	5	10	405806005
	DBP-58	750/5	2.5	5	10	405807505
	DBP-58	800/5	3.75	5	10	405808005
	DBP-58	1000/5	5	10	10	405810005

A

Ref.

Type

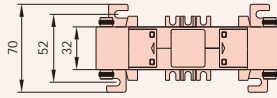
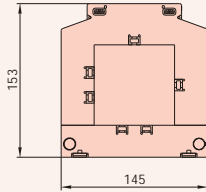
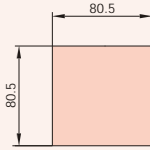
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

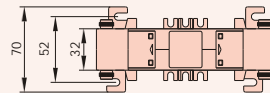
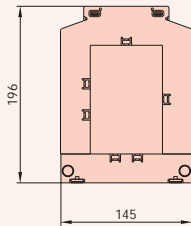
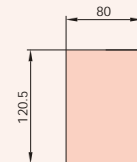
Item
Code

DBP-88



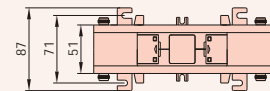
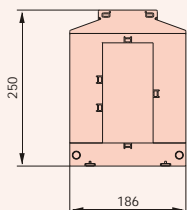
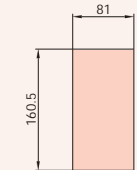
DBP-88	250/5	-	1.5	10	408802505
DBP-88	300/5	-	1.5	10	408803005
DBP-88	400/5	-	2.5	10	408804005
DBP-88	500/5	1.5	2.5	10	408805005
DBP-88	600/5	2.5	5	10	408806005
DBP-88	750/5	2.5	5	10	408807505
DBP-88	800/5	3.75	5	10	408808005
DBP-88	1000/5	5	7.5	10	408810005

DBP-812



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DBP-812	500/5	-	2.5	10	481205005
DBP-812	600/5	-	2.5	10	481206005
DBP-812	750/5	2.5	5	10	481207505
DBP-812	800/5	2.5	5	10	481208005
DBP-812	1000/5	3.75	7.5	10	481210005
DBP-812	1200/5	5	10	10	481212005
DBP-812	1250/5	5	10	10	481212505
DBP-812	1500/5	7.5	10	10	481215005

DBP-816

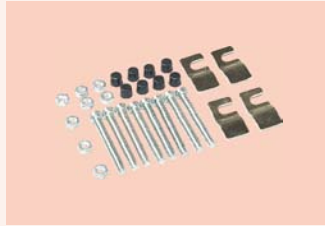


Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DBP-816	1000/5	5	10	5	481610005
DBP-816	1500/5	7.5	10	5	481615005
DBP-816	2000/5	10	15	5	481620005
DBP-816	2500/5	15	20	5	481625005
DBP-816	3000/5	20	25	5	481630005
DBP-816	4000/5	20	25	5	481640005
DBP-816	5000/5	20	25	5	481650005

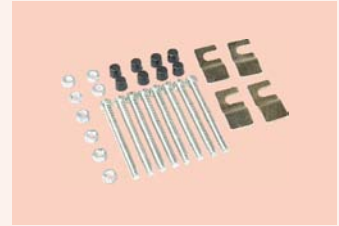
DBP SERIES ACCESSORIES



DBP-23



DBP-58



DBP-88, DBP-812, DBP-816

A

OLD RANG DP SERIES

SPECIFICATION SAME AS DBP



DP-23

DP-58

DP-88

DP-812

DP-816

UK SPLIT CORE CURRENT TRANSFORMERS

- DESCRIPTION

A new split core current transformer inside hinge design can match space limitation which no need open existing cable system, much save labor cost and time.

- FEATURE

Busbar mounting
Side hinge design
Primary current from 100A to 800A.



- SPECIFICATIONS

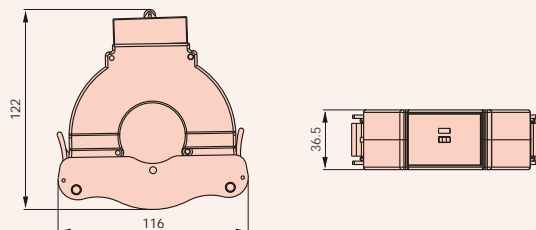
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

- STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
 	UK-40	100/5	1.5	2.5	10	304001005
	UK-40	150/5	1.5	2.5	10	304001505
	UK-40	200/5	2.5	2.5	10	304002005
	UK-40	250/5	2.5	2.5	10	304002505
	UK-40	300/5	2.5	5	10	304003005
	UK-40	400/5	5	5	10	304004005
	UK-40	500/5	5	5	10	304005005
	UK-40	600/5	5	5	10	304006005
	UK-40	800/5	5	5	10	304008005



MBO SERIES CURRENT TRANSFORMERS

DESCRIPTION

A range of (9 frames) EURO style long life design plastic case current transformer, enforced terminal makes the CT keep cooling after full load using for a long term, elegant black figure makes the CT perfectly assort with related components in high quality panel board.

FEATURE

Two built in fixing methods: Side base; Busbar mounting
 Built in hinged terminal cover
 Enforced terminals
 Primary current from 5A to 3000A.

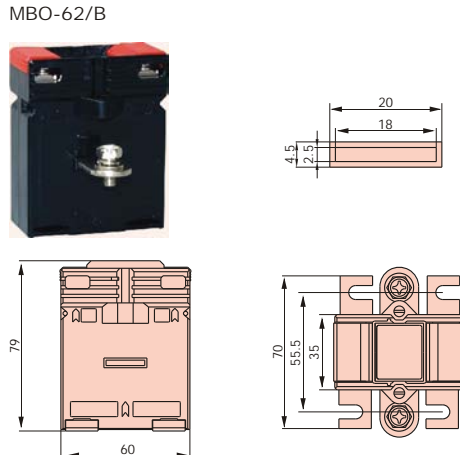
SPECIFICATIONS

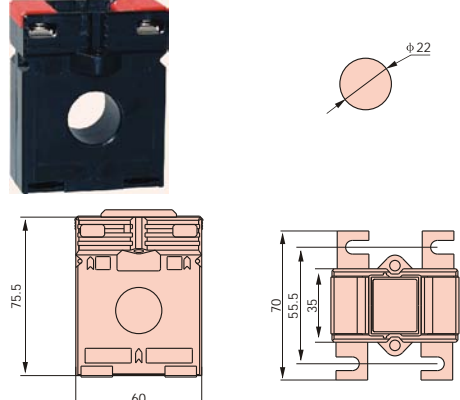
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60 I_n
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2 I_n
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
 <p>MBO-62/B</p>	MBO-62/B	5/5	1.5	2.5	40	662100055
	MBO-62/B	10/5	1.5	2.5	40	662100105
	MBO-62/B	15/5	1.5	2.5	40	662100155
	MBO-62/B	20/5	1.5	2.5	40	662100205
	MBO-62/B	25/5	1.5	2.5	40	662100255
	MBO-62/B	30/5	1.5	2.5	40	662100305
	MBO-62/B	40/5	1.5	2.5	40	662100405
	MBO-62/B	50/5	1.5	2.5	40	662100505
	MBO-62/B	60/5	1.5	2.5	40	662100605
	MBO-62/B	75/5	1.5	2.5	40	662100755
	MBO-62/B	100/5	1.5	2.5	40	662101005
	MBO-62/B	150/5	1.5	2.5	40	662101505
MBO-62/B	200/5	1.5	2.5	40	662102005	

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
 <p>MBO-62/20</p>	MBO-62/20	30/5	1.5 (4T)	2.5(4T)	84	620300305
	MBO-62/20	40/5	1.5 (4T)	2.5(4T)	84	620300405
	MBO-62/20	50/5	1.5 (2T)	2.5 (2T)	84	620300505
	MBO-62/20	60/5	1.5 (2T)	2.5 (2T)	84	620300605
	MBO-62/20	75/5	2.5 (2T)	1.5	84	620300755
	MBO-62/20	80/5	2.5 (2T)	1.5	84	620300805
	MBO-62/20	100/5	1.5	2.5	84	620301005
	MBO-62/20	150/5	2.5	3.75	84	620301505
	MBO-62/20	200/5	2.5	3.75	84	620302005

A

Ref.

Type

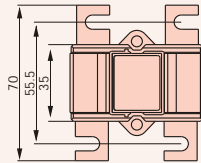
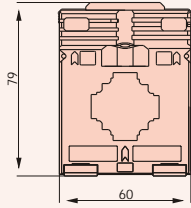
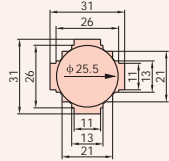
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

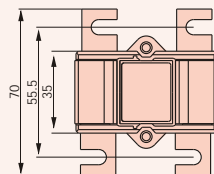
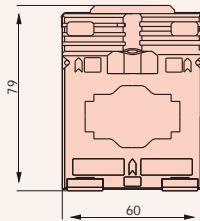
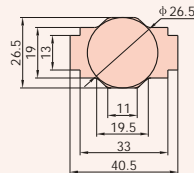
Item
Code

MBO-62/30



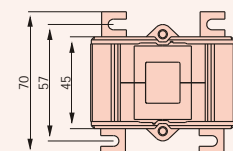
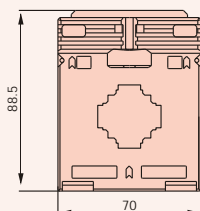
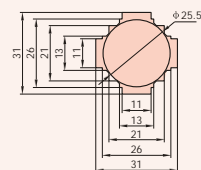
MBO-62/30	30/5	-	2.5 (4T)	84	630300305
MBO-62/30	40/5	-	2.5 (4T)	84	630300405
MBO-62/30	50/5	-	2.5 (2T)	84	630300505
MBO-62/30	60/5	-	2.5 (2T)	84	630300605
MBO-62/30	75/5	-	2.5 (2T)	84	630300755
MBO-62/30	100/5	1.5	2.5	84	630301005
MBO-62/30	150/5	1.5	3.75	84	630301505
MBO-62/30	200/5	2.5	5	84	630302005
MBO-62/30	250/5	2.5	5	84	630302505
MBO-62/30	300/5	3.75	5	84	630303005

MBO-62/40



Type	Ratio (A)	Burden(VA) Class: 0.5 Class: 1.0		Case Qty. (Pcs)	Item Code
MBO-62/40	60/5	1.5 (3T)	3.75 (3T)	84	640300605
MBO-62/40	75/5	1.5 (2T)	3.75 (2T)	84	640300755
MBO-62/40	100/5	1.5	2.5	84	640301005
MBO-62/40	150/5	1.5	3.75	84	640301505
MBO-62/40	200/5	2.5	3.75	84	640302005
MBO-62/40	250/5	2.5	3.75	84	640302505
MBO-62/40	300/5	3.75	3.75	84	640303005
MBO-62/40	400/5	3.75	5	84	640304005

MBO-30

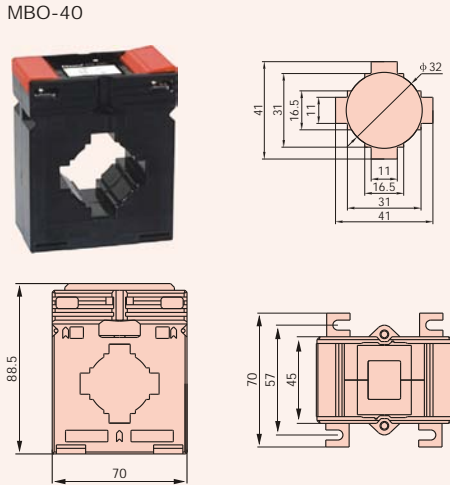


Type	Ratio (A)	Burden(VA) Class: 0.5 Class: 1.0		Case Qty. (Pcs)	Item Code
MBO-30	50/5	-	1.5 (2T)	40	603000505
MBO-30	60/5	-	1.5 (2T)	40	603000605
MBO-30	75/5	-	1.5	40	603000755
MBO-30	100/5	1.5	2.5	40	603001005
MBO-30	150/5	1.5	2.5	40	603001505
MBO-30	200/5	2.5	5	40	603002005
MBO-30	250/5	3.75	5	40	603002505
MBO-30	300/5	5	5	40	603003005
MBO-30	400/5	5	5	40	603004005

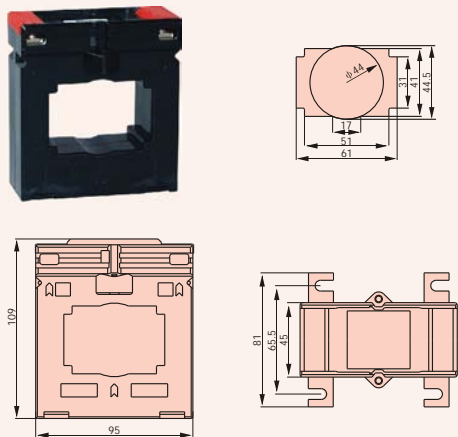
MBO SERIES CURRENT TRANSFORMERS

A

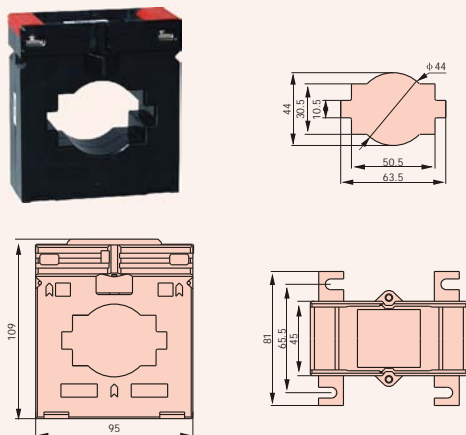
Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
MBO-40	MBO-40	100/5	1.5	2.5	40	604001005
	MBO-40	150/5	1.5	2.5	40	604001505
	MBO-40	200/5	2.5	5	40	604002005
	MBO-40	250/5	3.75	5	40	604002505
	MBO-40	300/5	5	5	40	604003005
	MBO-40	400/5	5	5	40	604004005
	MBO-40	500/5	5	7.5	40	604005005
	MBO-40	600/5	5	7.5	40	604006005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MBO-60	300/5	1.5	5	42	606003005
MBO-60	400/5	2.5	5	42	606004005
MBO-60	500/5	5	10	42	606005005
MBO-60	600/5	5	10	42	606006005
MBO-60	750/5	5	10	42	606007505
MBO-60	800/5	5	10	42	606008005
MBO-60	1000/5	5	10	42	606010005
MBO-60	1200/5	5	10	42	606012005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MBO-70	400/5	2.5	5	42	607004005
MBO-70	500/5	5	10	42	607005005
MBO-70	600/5	5	10	42	607006005
MBO-70	750/5	5	10	42	607007505
MBO-70	800/5	5	10	42	607008005
MBO-70	1000/5	5	15	42	607010005
MBO-70	1200/5	5	15	42	607012005
MBO-70	1500/5	5	15	42	607015005
MBO-70	1600/5	5	15	42	607016005
MBO-70	2000/5	5	15	42	607020005



MBO SERIES CURRENT TRANSFORMERS

A

Ref.

Type

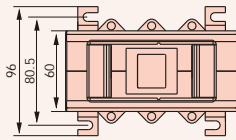
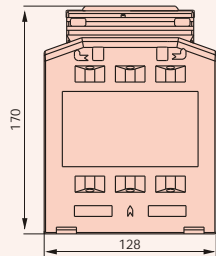
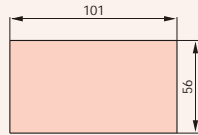
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

Item
Code

MBO-100



MBO-100	750/5	5	10	10	610007505
MBO-100	800/5	5	10	10	610008005
MBO-100	1000/5	5	15	10	610010005
MBO-100	1200/5	10	15	10	610012005
MBO-100	1500/5	10	15	10	610015005
MBO-100	1600/5	10	15	10	610016005
MBO-100	2000/5	10	15	10	610020005
MBO-100	2250/5	10	15	10	610022505
MBO-100	2500/5	10	15	10	610025005
MBO-100	3000/5	10	15	10	610030005

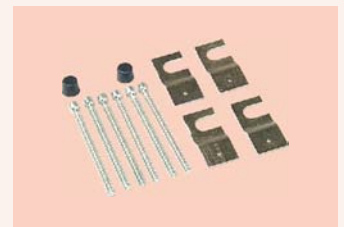
MBO SERIES ACCESSORIES



MBO-62/B, MBO-62/20
MBO-62/30, MBO-62/40



MBO-30, MBO-40
MBO-60, MBO-70



MBO-100

CK SERIES CURRENT TRANSFORMERS

DESCRIPTION

A new range of (4 frames) compact design plastic case current transformer. It has very good performance in space limitation panels.

FEATURE

Three built in fixing methods: Side base; DIN rail; Busbar mounting
 Built in hinged terminal cover
 Compact design
 Primary current from 5A to 400A.

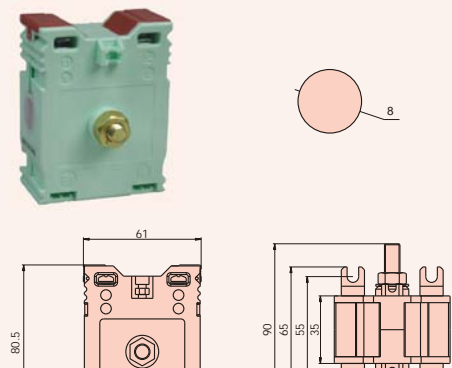
SPECIFICATIONS

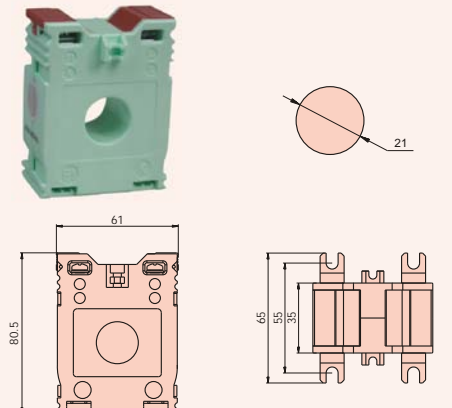
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current (I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
	CK-B	5/5	1.5	2.5	60	430100055
	CK-B	10/5	1.5	2.5	60	430100105
	CK-B	15/5	1.5	2.5	60	430100155
	CK-B	20/5	1.5	2.5	60	430100205
	CK-B	30/5	1.5	2.5	60	430100305
	CK-B	40/5	1.5	2.5	60	430100405
	CK-B	50/5	1.5	2.5	60	430100505
	CK-B	60/5	1.5	2.5	60	430100605
	CK-B	75/5	1.5	2.5	60	430100755
	CK-B	80/5	1.5	2.5	60	430100805
	CK-B	100/5	1.5	2.5	60	430101005
	CK-B	150/5	1.5	2.5	60	430101505

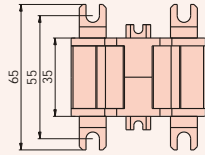
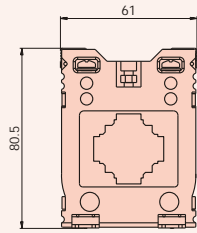
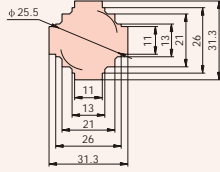
Ref.	Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
	CK-20	50/5	-	1.5(2T)	60	402000505
	CK-20	75/5	-	1.5(2T)	60	402000755
	CK-20	100/5	-	1.5(2T)	60	402001005
	CK-20	150/5	2.5	3.75	60	402001505
	CK-20	200/5	2.5	5	60	402002005

CK SERIES CURRENT TRANSFORMERS

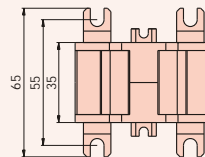
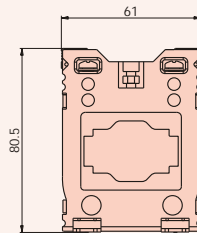
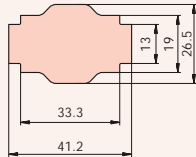
A

Ref.

CK-30



CK-40



Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
		Class: 0.5	Class: 1.0		
CK-30	50/5	-	1.5(2T)	60	403000505
CK-30	60/5	-	1.5(2T)	60	403000605
CK-30	75/5	-	1.5	60	403000755
CK-30	100/5	-	2.5	60	403001005
CK-30	150/5	2.5	3.75	60	403001505
CK-30	200/5	2.5	3.75	60	403002005
CK-30	250/5	3.75	5	60	403002505
CK-30	300/5	3.75	5	60	403003005

Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
		Class: 0.5	Class: 1.0		
CK-40	100/5	1.5	2.5	60	404001005
CK-40	150/5	2.5	3.75	60	404001505
CK-40	200/5	2.5	3.75	60	404002005
CK-40	250/5	2.5	3.75	60	404002505
CK-40	300/5	2.5	3.75	60	404003005
CK-40	400/5	2.5	3.75	60	404004005



ACCESSORIES

DM SERIES CURRENT TRANSFORMERS

- DESCRIPTION

A world famous MINI design plastic case current transformer, snap on body, be widely used in generators.

- FEATURE

Two built in fixing methods: DIN rail; Busbar mounting
 Built in hinged terminal cover
 Compact design
 Primary current from 5A to 300A.

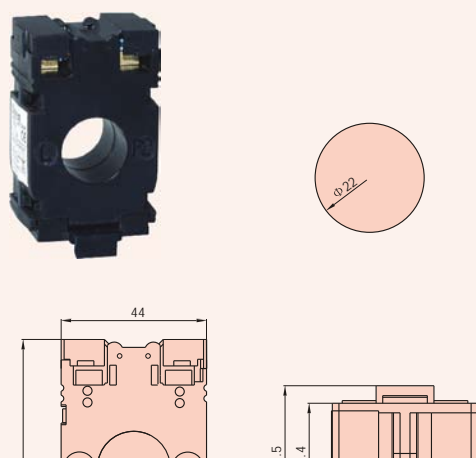
- SPECIFICATIONS

Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60 I_n
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2 I_n
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

- STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA) Class: 1.0	Case Qty. (Pcs)	Item Code
 <p>DM-20</p>	DM-20	15/5	1.5 (5T)	120	202000155
	DM-20	20/5	2.5 (5T)	120	202000205
	DM-20	25/5	2.5 (4T)	120	202000255
	DM-20	30/5	2.5 (4T)	120	202000305
	DM-20	40/5	2.5 (3T)	120	202000405
	DM-20	50/5	2.5(2T)	120	202000505
	DM-20	60/5	1.5	120	202000605
	DM-20	75/5	1.5	120	202000755
	DM-20	80/5	1.5	120	202000805
	DM-20	100/5	2.5	120	202001005
	DM-20	125/5	2.5	120	202001255
	DM-20	150/5	2.5	120	202001505
	DM-20	200/5	3.75	120	202002005
	DM-20	250/5	3.75	120	202002505
	DM-20	300/5	3.75	120	202003005

TASN SERIES CURRENT TRANSFORMERS

DESCRIPTION

A new range of high quality plastic case current transformer which developing from TAS series, suit for primary currents from 60A to 630A; perfect match installation with MCCB.

FEATURE

- Base mounting
- With or without plastic terminal cover
- Greatly save space
- Primary current from 60A to 630A.

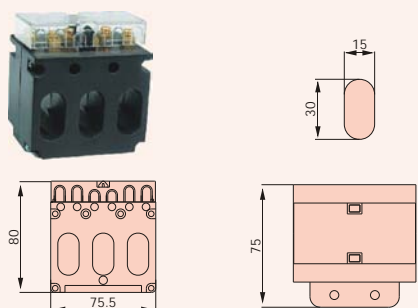
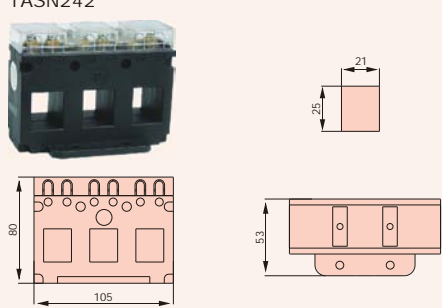
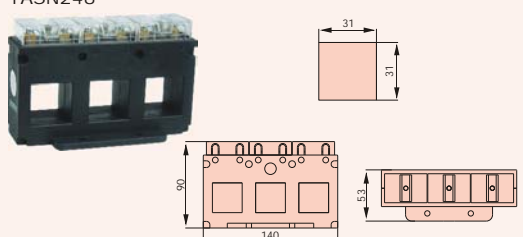
SPECIFICATIONS

Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C – 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA) Class: 1.0	Case Qty. (Pcs)	Item Code
TASN240 	TASN240	60/5	1.5	36	724000605
	TASN240	100/5	1.5	36	724001005
	TASN240	120/5	1.5	36	724001205
	TASN240	125/5	2.5	36	724001255
	TASN240	150/5	2.5	36	724001505
	TASN240	160/5	2.5	36	724001605
	TASN240	200/5	2.5	36	724002005
TASN242 	TASN242	60/5	1	30	724200605
	TASN242	100/5	1.5	30	724201005
	TASN242	120/5	1.5	30	724201205
	TASN242	125/5	1.5	30	724201255
	TASN242	150/5	2.5	30	724201505
	TASN242	160/5	2.5	30	724201605
	TASN242	200/5	2.5	30	724202005
TASN248 	TASN248	250/5	2.5	20	724802505
	TASN248	300/5	3.75	20	724803005
	TASN248	400/5	3.75	20	724804005
	TASN248	500/5	3.75	20	724805005
	TASN248	600/5	3.75	20	724806005
	TASN248	630/5	3.75	20	724806305

TAS SERIES CURRENT TRANSFORMERS

DESCRIPTION

A range of (2 frames) combination design 3 in 1 plastic case current transformer, perfectly math for install with most popular MCCB, greatly save space. Getting more and more popular in worldwide.

FEATURE

Base mounting
With or without plastic terminal cover
Greatly save space
Primary current from 60A to 630A.



SPECIFICATIONS

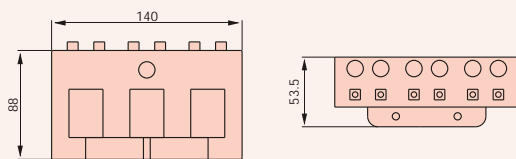
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

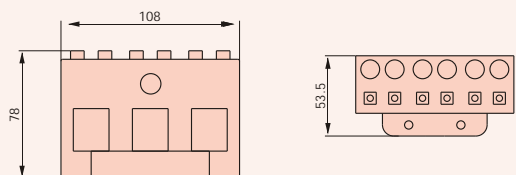
STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA) Class:1.0	Case Qty. (Pcs)	Item Code
 	TAS247	100/5	1.5	30	724701005
	TAS247	150/5	1.5	30	724701505
	TAS247	200/5	2.5	30	724702005
	TAS247	250/5	2.5	30	724702505
	TAS247	300/5	2.5	30	724703005



Type	Ratio (A)	Burden(VA) Class:1.0	Case Qty. (Pcs)	Item Code
TAS257	300/5	2.5	20	725703005
TAS257	400/5	2.5	20	725704005
TAS257	500/5	2.5	20	725705005
TAS257	600/5	2.5	20	725706005



D36 SERIES CURRENT TRANSFORMERS

A

DESCRIPTION

A range of (2 frames) combination design 3 in 1 plastic case current transformer, save more space comparing general unit CT.

FEATURE

Two built in fixing methods: Base; Busbar mounting
 Built in hinged terminal cover
 Save more space
 Primary current from 50A to 600A.

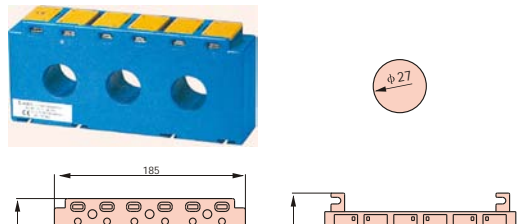
SPECIFICATIONS

Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current (I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5I _{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C – 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA) Class: 1.0	Case Qty. (Pcs)	Item Code
 <p>D363</p>	D363	75/5	1.5	20	736300755
	D363	100/5	1.5	20	736301005
	D363	150/5	2.5	20	736301505
	D363	200/5	3.75	20	736302005
	D363	250/5	5	20	736302505
	D363	300/5	5	20	736303005
	D363	400/5	5	20	736304005
	D363	500/5	5	20	736305005

Type	Ratio (A)	Burden(VA) Class: 1.0	Case Qty. (Pcs)	Item Code
D364	300/5	3.75	20	736403005
D364	400/5	5	20	736404005
D364	500/5	5	20	736405005
D364	600/5	5	20	736406005

ACCESSORIES



D363



D364

MSQ SERIES CURRENT TRANSFORMERS

DESCRIPTION

A range of (8 frames) classic plastic case current transformer, low cost, rich range can match most requirements internationally.

FEATURE

Two built in fixing methods: 1 side base; Busbar mounting
Transparent terminal cover
Primary current up to 6000A



File No.: 124537

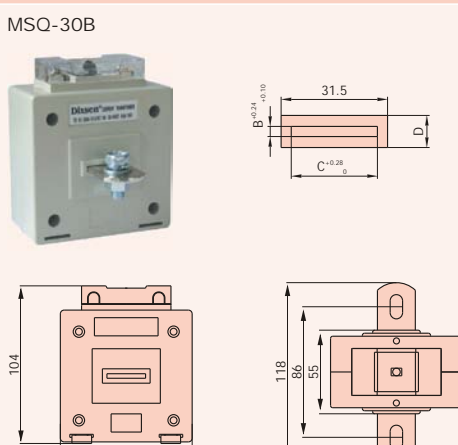
SPECIFICATIONS

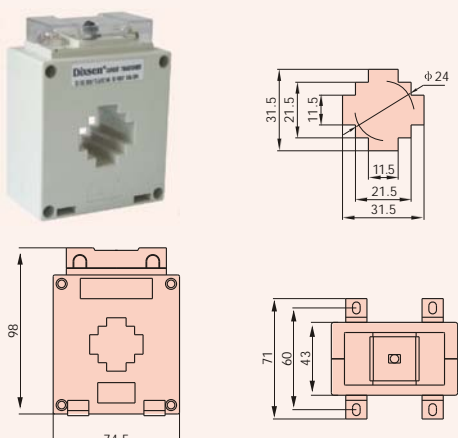
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I _{th})	60I _n
Rated dynamic current, (I _{dyn})	2.5I _{th}
Rated voltage, (U _m)	0.72Kv AC.
Continuous overload, (I _d)	1.2I _n
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
	MSQ-30B	5/5	5	7.5	36	130100055
	MSQ-30B	10/5	5	7.5	36	130100105
	MSQ-30B	15/5	5	7.5	36	130100155
	MSQ-30B	20/5	5	7.5	36	130100205
	MSQ-30B	25/5	5	7.5	36	130100255
	MSQ-30B	30/5	5	7.5	36	130100305
	MSQ-30B	50/5	5	7.5	36	130100505
	MSQ-30B	60/5	5	7.5	36	130100605
	MSQ-30B	100/5	5	7.5	36	130101005
	MSQ-30B	150/5	5	7.5	36	130101505
	MSQ-30B	200/5	5	7.5	36	130102005
	MSQ-30B	250/5	5	7.5	36	130102505
	MSQ-30B	300/5	5	7.5	36	130103005

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
	MSQ-30	30/5	-	1.5 (2T)	60	103000305
	MSQ-30	40/5	-	1.5 (2T)	60	103000405
	MSQ-30	50/5	-	2.5 (2T)	60	103000505
	MSQ-30	60/5	-	2.5 (2T)	60	103000605
	MSQ-30	75/5	-	1.5	60	103000755
	MSQ-30	80/5	-	1.5	60	103000805
	MSQ-30	100/5	-	2.5	60	103001005
	MSQ-30	150/5	-	3.75	60	103001505
	MSQ-30	200/5	5	5	60	103002005
	MSQ-30	250/5	5	7.5	60	103002505
	MSQ-30	300/5	10	10	60	103003005

A

Ref.

Type

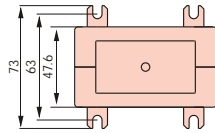
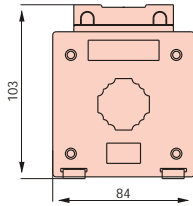
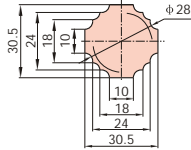
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

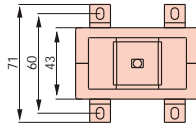
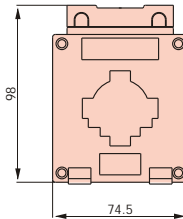
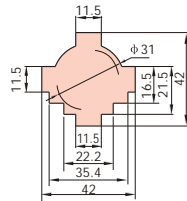
Item
Code

MSQ-30T



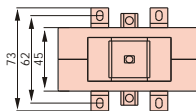
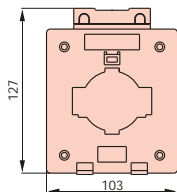
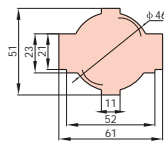
MSQ-30T	100/5	2.5	5	40	130201005
MSQ-30T	125/5	2.5	5	40	130201255
MSQ-30T	150/5	3.75	5	40	130201505
MSQ-30T	160/5	3.75	5	40	130201605
MSQ-30T	200/5	5	10	40	130202005
MSQ-30T	250/5	10	10	40	130202505
MSQ-30T	300/5	10	10	40	130203005

MSQ-40



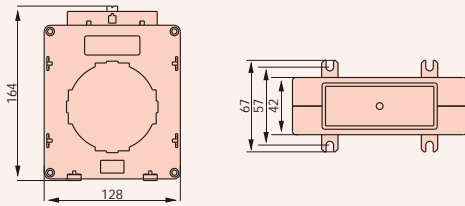
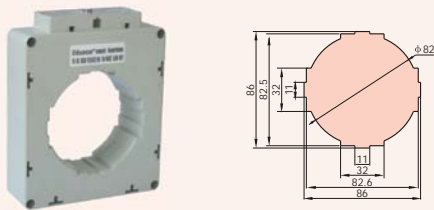
Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MSQ-40	100/5	1.5	1.5	60	104001005
MSQ-40	150/5	1.5	2.5	60	104001505
MSQ-40	200/5	2.5	5	60	104002005
MSQ-40	250/5	5	5	60	104002505
MSQ-40	300/5	5	5	60	104003005
MSQ-40	400/5	5	10	60	104004005
MSQ-40	500/5	5	10	60	104005005

MSQ-60

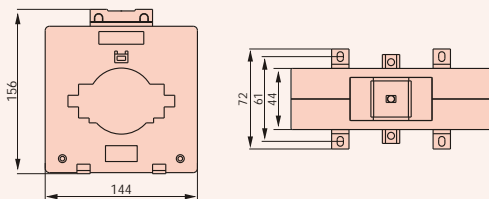
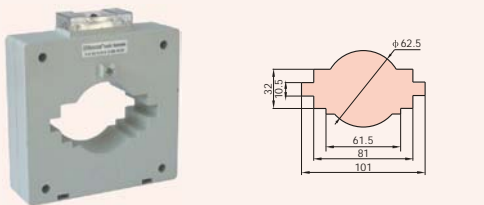


Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MSQ-60	250/5	1.5	2.5	32	106002505
MSQ-60	300/5	2.5	5	32	106003005
MSQ-60	400/5	5	10	32	106004005
MSQ-60	500/5	5	10	32	106005005
MSQ-60	600/5	5	10	32	106006005
MSQ-60	750/5	5	10	32	106007505
MSQ-60	800/5	7.5	10	32	106008005
MSQ-60	1000/5	10	15	32	106010005
MSQ-60	1200/5	10	15	32	106012005
MSQ-60	1500/5	15	15	32	106015005
MSQ-60	1600/5	15	15	32	106016005

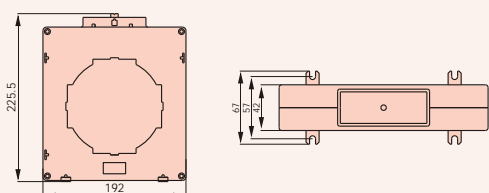
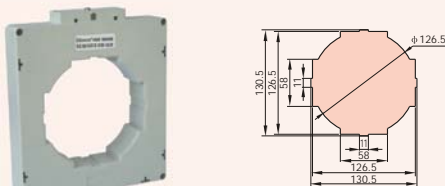
Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
MSQ-85	MSQ-85	750/5	5	10	12	108507505
	MSQ-85	800/5	5	10	12	108508005
	MSQ-85	1000/5	7.5	10	12	108510005
	MSQ-85	1200/5	10	15	12	108512005
	MSQ-85	1500/5	10	15	12	108515005
	MSQ-85	1600/5	10	15	12	108516005
	MSQ-85	2000/5	15	15	12	108520005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code	
		Class: 0.5	Class: 1.0			
MSQ-100	MSQ-100	800/5	5	5	16	110008005
	MSQ-100	1000/5	10	10	16	110010005
	MSQ-100	1200/5	10	15	16	110012005
	MSQ-100	1250/5	10	15	16	110012505
	MSQ-100	1500/5	10	15	16	110015005
	MSQ-100	1600/5	10	15	16	110016005
	MSQ-100	2000/5	10	15	16	110020005
	MSQ-100	2500/5	10	15	16	110025005
	MSQ-100	3000/5	10	15	16	110030005

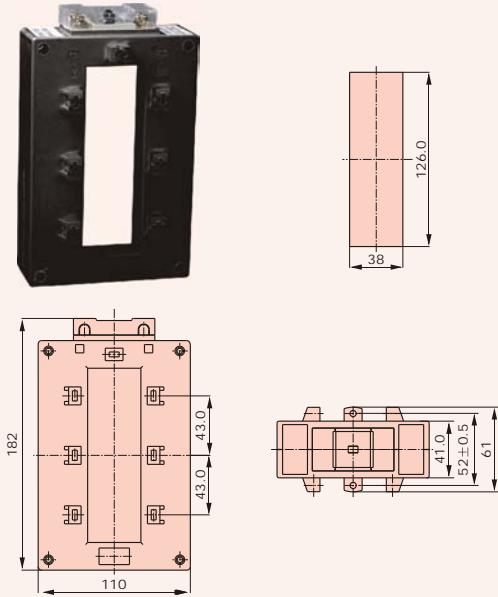


Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code	
		Class: 0.5	Class: 1.0			
MSQ-125	MSQ-125	1000/5	5	10	10	112510005
	MSQ-125	1200/5	7.5	10	10	112512005
	MSQ-125	1500/5	10	15	10	112515005
	MSQ-125	1600/5	10	15	10	112516005
	MSQ-125	2000/5	15	20	10	112520005
	MSQ-125	2500/5	15	20	10	112525005
	MSQ-125	3000/5	15	20	10	112530005
	MSQ-125	4000/5	15	20	10	112540005
	MSQ-125	5000/5	20	20	10	112550005
	MSQ-125	6000/5	20	20	10	112560005



A

Ref.	Type	Ratio (A)	Burden (VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
DX-125	DX-125	800/5	5	10.0	24	212508005
	DX-125	1000/5	7.5	12.5	24	212510005
	DX-125	1200/5	10	15	24	212512005
	DX-125	1250/5	10	15	24	212512505
	DX-125	1500/5	15	25	24	212515005
	DX-125	1600/5	15	25	24	212516005
	DX-125	2000/5	15	25	24	212520005
	DX-125	2250/5	15	25	24	212522505
	DX-125	2500/5	15	25	24	212525005
	DX-125	3000/5	15	25	24	212530005
	DX-125	4000/5	20	30	24	212540005
	DX-125	5000/5	20	30	24	212550005
	DX-125	6000/5	20	30	24	212560005



MSQ-30B



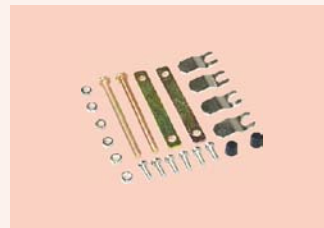
MSQ-30, MSQ-40



MSQ-30T



MSQ-60, MSQ-100



MSQ-85, MSQ-125

MES SERIES CURRENT TRANSFORMERS

DESCRIPTION

A range of (10 frames) compact design plastic case current transformer. Its volume is much smaller than general model, integral hinged plate terminal cover, DIN rail mounting all makes this series CT match the requirements in space limited panels.

FEATURE

Three built in fixing methods: Side base; DIN Rail; Busbar mounting
 Built in hinged terminal cover
 Compact design
 Primary current from 5A to 3000A.

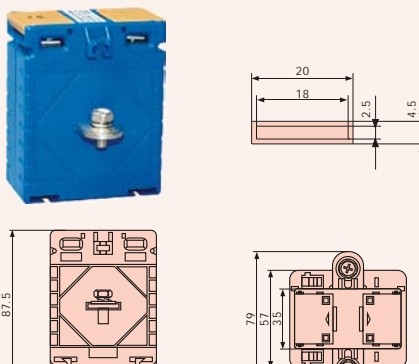
SPECIFICATIONS

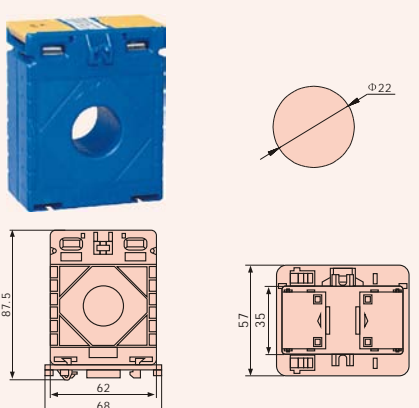
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60 I_n
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72kV AC.
Continuous overload, (I_d)	1.2 I_n
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
	MES-62/B	5/5	1.5	2.5	40	562100055
	MES-62/B	10/5	1.5	2.5	40	562100105
	MES-62/B	15/5	1.5	2.5	40	562100155
	MES-62/B	20/5	1.5	2.5	40	562100205
	MES-62/B	25/5	1.5	2.5	40	562100255
	MES-62/B	30/5	1.5	2.5	40	562100305
	MES-62/B	40/5	1.5	2.5	40	562100405
	MES-62/B	50/5	1.5	2.5	40	562100505
	MES-62/B	60/5	1.5	2.5	40	562100605
	MES-62/B	75/5	1.5	2.5	40	562100755
	MES-62/B	100/5	1.5	2.5	40	562101005
	MES-62/B	150/5	1.5	2.5	40	562101505

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
	MES-62/20	30/5	-	2.5 (4T)	60	520300305
	MES-62/20	40/5	-	2.5 (3T)	60	520300405
	MES-62/20	50/5	-	2.5 (3T)	60	520300505
	MES-62/20	60/5	-	2.5 (2T)	60	520300605
	MES-62/20	75/5	-	1.5	60	520300755
	MES-62/20	80/5	-	2.5	60	520300805
	MES-62/20	100/5	1.5	2.5	60	520301005
	MES-62/20	150/5	2.5	3.75	60	520301505
	MES-62/20	200/5	3.75	5	60	520302005

A

Ref.

Type

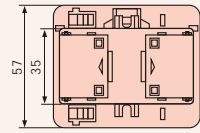
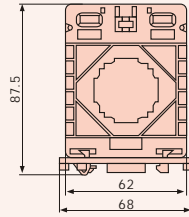
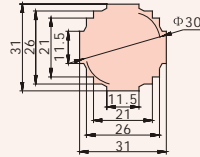
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

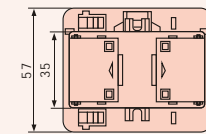
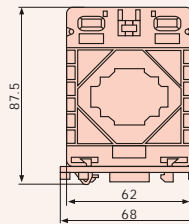
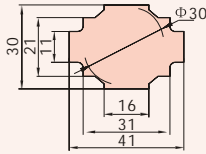
Item
Code

MES-62/30



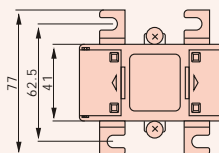
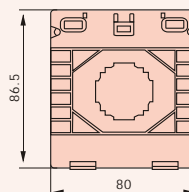
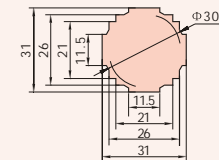
MES-62/30	30/5	-	2.5 (4T)	60	530300305
MES-62/30	40/5	-	2.5 (3T)	60	530300405
MES-62/30	50/5	-	2.5 (2T)	60	530300505
MES-62/30	60/5	-	2.5 (2T)	60	530300605
MES-62/30	75/5	-	1.5	60	530300755
MES-62/30	100/5	1.5	2.5	60	530301005
MES-62/30	150/5	2.5	3.75	60	530301505
MES-62/30	200/5	3.75	5	60	530302005

MES-62/40



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MES-62/40	60/5	-	1.5 (2T)	60	540300605
MES-62/40	75/5	-	1.5 (2T)	60	540300755
MES-62/40	100/5	-	1.5	60	540301005
MES-62/40	150/5	-	2.5	60	540301505
MES-62/40	200/5	2.5	3.75	60	540302005
MES-62/40	250/5	2.5	3.75	60	540302505
MES-62/40	300/5	3.75	5	60	540303005

MES-80/30

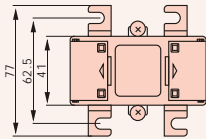
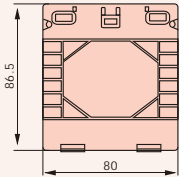
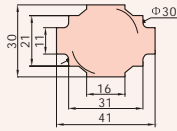


Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MES-80/30	30/5	-	2.5 (4T)	40	503000305
MES-80/30	50/5	-	2.5 (2T)	40	503000505
MES-80/30	60/5	-	2.5 (2T)	40	503000605
MES-80/30	75/5	-	1.5	40	503000755
MES-80/30	100/5	-	2.5	40	503001005
MES-80/30	150/5	2.5	3.75	40	503001505
MES-80/30	200/5	3.75	5	40	503002005

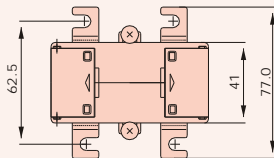
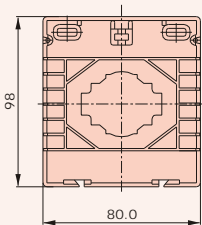
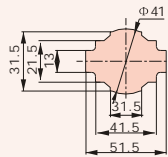
MES SERIES CURRENT TRANSFORMERS

A

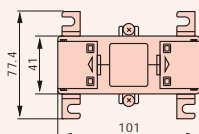
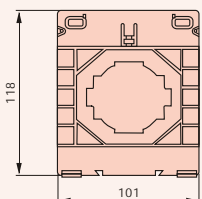
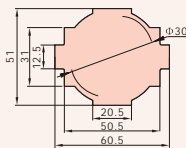
Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
MES-80/40	MES-80/40	100/5	-	2.5	40	504001005
	MES-80/40	150/5	2.5	3.75	40	504001505
	MES-80/40	200/5	3.75	5	40	504002005
	MES-80/40	250/5	3.75	5	40	504002505
	MES-80/40	300/5	5	5	40	504003005
	MES-80/40	400/5	5	10	40	504004005
	MES-80/40	500/5	5	10	40	504005005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MES-80/50	250/5	5	7.5	32	505002505
MES-80/50	300/5	5	7.5	32	505003005
MES-80/50	400/5	5	7.5	32	505004005
MES-80/50	500/5	5	7.5	32	505005005
MES-80/50	600/5	10	15	32	505006005
MES-80/50	750/5	10	15	32	505007505
MES-80/50	800/5	10	15	32	505008005
MES-80/50	1000/5	10	15	32	505010005



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MES-100/60	400/5	3.75	5	32	506004005
MES-100/60	500/5	5	10	32	506005005
MES-100/60	600/5	10	15	32	506006005
MES-100/60	750/5	10	15	32	506007505
MES-100/60	800/5	10	15	32	506008005
MES-100/60	1000/5	10	20	32	506010005
MES-100/60	1200/5	15	20	32	506012005
MES-100/60	1500/5	15	20	32	506015005
MES-100/60	1600/5	15	20	32	506016005



A

Ref.

Type

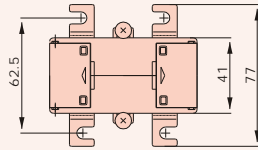
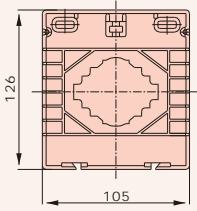
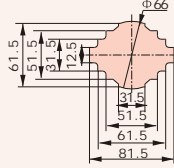
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

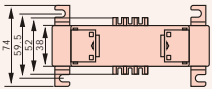
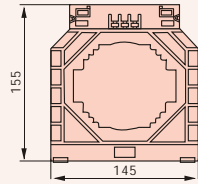
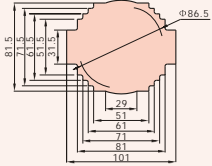
Item
Code

MES-100/80



MES-100/80	600	10	15	60	508006005
MES-100/80	750	10	15	60	508007505
MES-100/80	800	10	15	60	508008005
MES-100/80	1000	15	20	60	508010005
MES-100/80	1200	15	20	60	508012005
MES-100/80	1250	15	20	60	508012505
MES-100/80	1500	15	20	60	508015005
MES-100/80	1600	15	20	60	508016005
MES-100/80	2000/5	15	20	60	508020005

MES-145/100



Type

Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

Item
Code

MES-145/100	800/5	15	20	30	510008005
MES-145/100	1000/5	15	20	30	510010005
MES-145/100	1200/5	15	20	30	510012005
MES-145/100	1250/5	15	20	30	510012505
MES-145/100	1500/5	15	20	30	510015005
MES-145/100	1600/5	15	20	30	510016005
MES-145/100	2000/5	15	25	30	510020005
MES-145/100	2500/5	15	25	30	510025005
MES-145/100	3000/5	15	25	30	510030005



Accessory

DS SERIES CURRENT TRANSFORMERS

- DESCRIPTION

An old range of (7 frames) plastic case current transformer, low cost.

- FEATURE

Busbar mounting
Low cost
Primary current from 5A to 3000A.


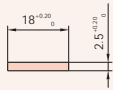
- SPECIFICATIONS

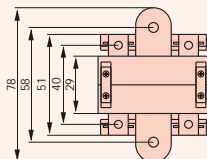
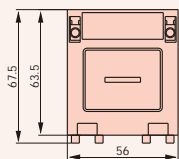
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

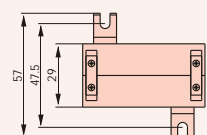
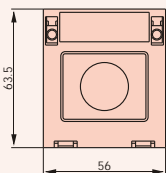
- STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
 	DS-56/B	50/5	1.5	3.75	120	720100505
	DS-56/B	60/5	1.5	3.75	120	720100605
	DS-56/B	75/5	1.5	3.75	120	720100755
	DS-56/B	100/5	1.5	3.75	120	720101005
	DS-56/B	150/5	1.5	3.75	120	720101505
	DS-56/B	200/5	1.5	3.75	120	720102005



- DS-20



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DS-20	50/5	-	1.5(2T)	120	720300505
DS-20	60/5	-	1.5(2T)	120	720300605
DS-20	75/5	-	1.5	120	720300755
DS-20	100/5	1.5	2.5	120	720301005
DS-20	150/5	1.5	2.5	120	720301505
DS-20	200/5	2.5	3.75	120	720302005

DS SERIES CURRENT TRANSFORMERS

A

Ref.

Type

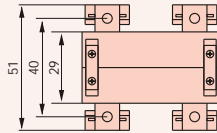
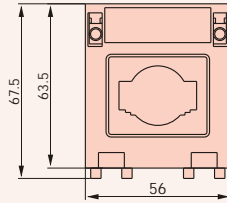
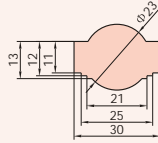
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

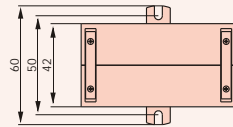
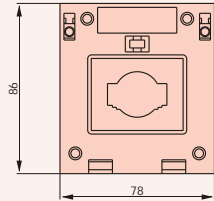
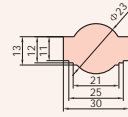
Item
Code

DS-56/30



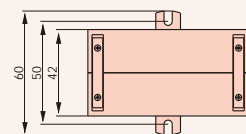
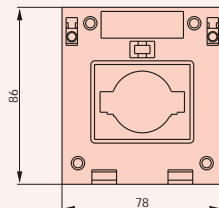
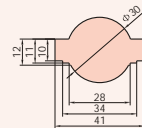
DS-56/30	50/5	-	1.5(2T)	120	730300505
DS-56/30	60/5	-	1.5(2T)	120	730300605
DS-56/30	75/5	-	1.5	120	730300755
DS-56/30	100/5	-	2.5	120	730301005
DS-56/30	150/5	1.5	2.5	120	730301505
DS-56/30	200/5	2.5	3.75	120	730302005

DS-30



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DS-30	50/5	-	1.5(2T)	40	703000505
DS-30	60/5	-	1.5(2T)	40	703000605
DS-30	75/5	-	1.5	40	703000755
DS-30	100/5	1.5	2.5	40	703001005
DS-30	150/5	2.5	3.75	40	703001505
DS-30	200/5	3.75	5	40	703002005
DS-30	250/5	3.75	5	40	703002505
DS-30	300/5	5	7.5	40	703003005

DS-40



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DS-40	150/5	1.5	3.75	40	704001505
DS-40	200/5	3.75	5	40	704002005
DS-40	250/5	3.75	5	40	704002505
DS-40	300/5	5	7.5	40	704003005
DS-40	400/5	5	10	40	704004005
DS-40	500/5	5	10	40	704005005
DS-40	600/5	5	10	40	704006005
DS-40	800/5	5	10	40	704008005

DS SERIES CURRENT TRANSFORMERS

A

Ref.

Type

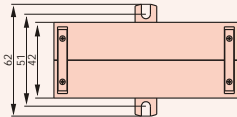
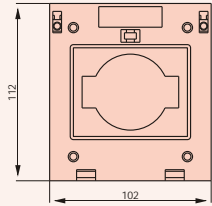
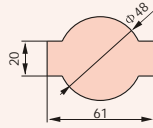
Ratio
(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

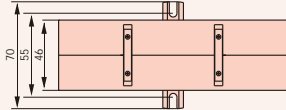
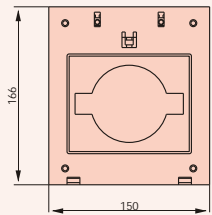
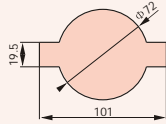
Item
Code

DS-60



DS-60	400/5	5	7.5	40	706004005
DS-60	500/5	5	10	40	706005005
DS-60	600/5	10	15	40	706006005
DS-60	800/5	10	15	40	706008005
DS-60	1000/5	10	15	40	706010005

DS-100



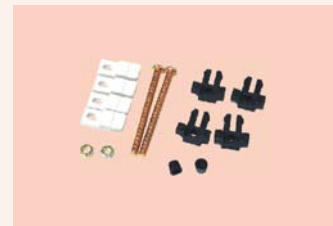
Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DS-100	800/5	7.5	10	30	710008005
DS-100	1000/5	10	15	30	710010005
DS-100	1200/5	10	15	30	710012005
DS-100	1500/5	10	15	30	710015005
DS-100	1600/5	10	15	30	710016005
DS-100	2000/5	10	15	30	710020005
DS-100	2500/5	10	15	30	710025005
DS-100	3000/5	10	15	30	710030005



DS-B, DS-20, DS-56/30



DS-30/40



DS-60



DS-100



Accessory of DX series

DX SERIES CURRENT TRANSFORMERS

- DESCRIPTION

A old range of (5 frames) plastic case current transformer, quick connection terminals, low cost.

- FEATURE

Two built in fixing methods: DIN rail; Busbar mounting
 Quick connection terminal
 Low cost
 Primary current from 5A to 500A.



- SPECIFICATIONS

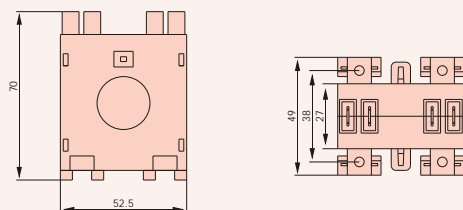
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5I _{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

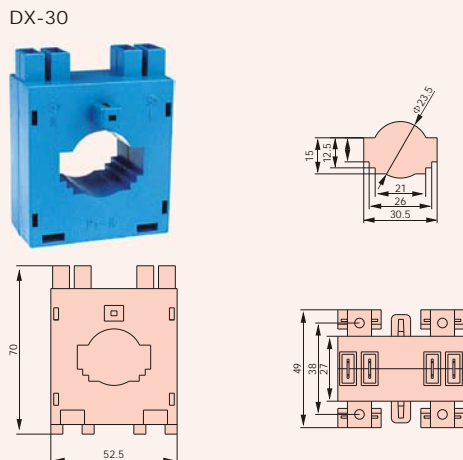
- STANDARD


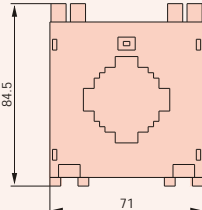
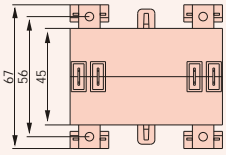
IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006


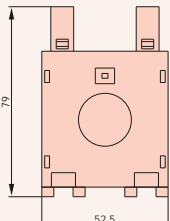
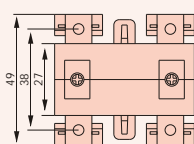
Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
 	DX-20	50/5	-	1.5(2T)	100	820300505
	DX-20	60/5	-	1.5(2T)	100	820300605
	DX-20	75/5		1.5	100	820300755
	DX-20	100/5	1.5	2.5	100	820301005
	DX-20	150/5	1.5	2.5	100	820301505


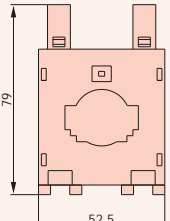
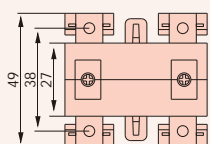


Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DX-30	100/5	1.5	2.5	100	830301005
DX-30	150/5	1.5	2.5	100	830301505
DX-30	200/5	2.5	3.75	100	830302005
DX-30	250/5	2.5	3.75	100	830302505
DX-30	300/5	2.5	3.75	100	830303005
DX-30	400/5	2.5	3.75	100	830304005
DX-30	500/5	2.5	3.75	100	830305005



Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
DX-40   	DX-40	150/5	1.5	2.5	40	840301505
	DX-40	200/5	2.5	3.75	40	840302005
	DX-40	250/5	3.75	5	40	840302505
	DX-40	300/5	5	7.5	40	840303005
	DX-40	400/5	5	7.5	40	840304005
	DX-40	500/5	5	7.5	40	840305005
	DX-40	600/5	5	7.5	40	840306005
	DX-40	800/5	5	7.5	40	840308005
	DX-40	1000/5	5	7.5	40	840310005

Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DX-20L   	50/5	-	1.5 (2T)	100	820400505
DX-20L	60/5	-	1.5 (2T)	100	820400605
DX-20L	75/5	-	1.5	100	820400755
DX-20L	100/5	1.5	2.5	100	820401005
DX-20L	150/5	1.5	2.5	100	820401505

Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
DX-30L   	100/5	1.5	2.5	100	830401005
DX-30L	150/5	1.5	3.75	100	830401505
DX-30L	200/5	2.5	3.75	100	830402005
DX-30L	250/5	2.5	3.75	100	830402505
DX-30L	300/5	3.75	5	100	830403005
DX-30L	400/5	3.75	5	100	830404005
DX-30L	500/5	3.75	5	100	830405005

Accessory photoes please refer to page 32

NSQ SERIES CURRENT TRANSFORMERS

A

DESCRIPTION

A range (2 frames) general plastic case s current transformer.

FEATURE

- Base mounting
- Low cost
- Primary current from 30A to 600A.


SPECIFICATIONS

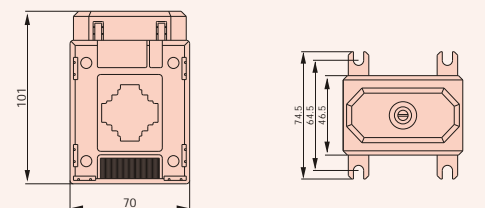
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

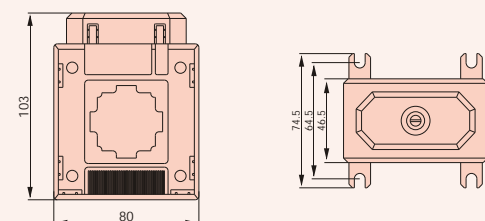
STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class: 0.5	Class: 1.0		
	NSQ-30	50/5	-	2.5	40	410300505
	NSQ-30	75/5	-	2.5	40	410300755
	NSQ-30	100/5	1.5	3.75	40	410301005
	NSQ-30	150/5	2.5	5	40	410301505
	NSQ-30	200/5	5	5	40	410302005
	NSQ-30	250/5	5	5	40	410302505
	NSQ-30	300/5	5	5	40	410303005



Type	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
		Class: 0.5	Class: 1.0		
NSQ-40	100/5	1.5	2.5	40	410401005
NSQ-40	150/5	2.5	3.75	40	410401505
NSQ-40	200/5	3.75	5	40	410402005
NSQ-40	250/5	3.75	5	40	410402505
NSQ-40	300/5	5	5	40	410403005
NSQ-40	400/5	5	10	40	410404005
NSQ-40	500/5	5	10	40	410405005
NSQ-40	600/5	5	10	40	410406005



RCT SERIES CURRENT TRANSFORMERS

- DESCRIPTION

A simple design (5 frames) plastic case steel feet current transformer, low cost.

- FEATURE

Base mounting
Low cost
Primary current from 5A to 3000A.

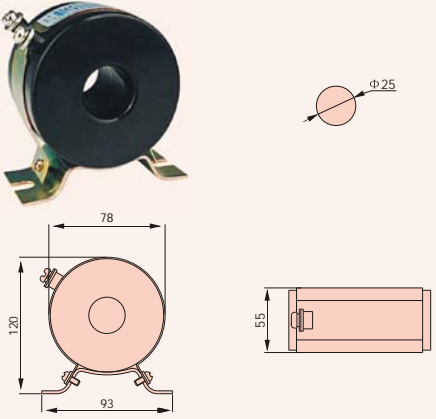
- SPECIFICATIONS

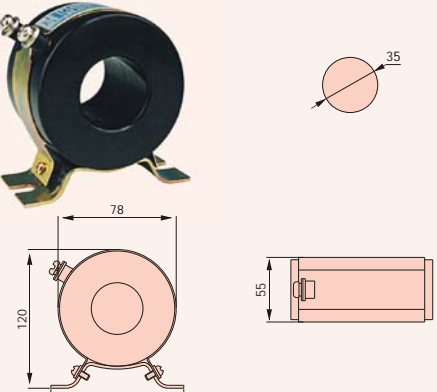
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Housing self-extinguishing class	VO
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

- STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
	RCT-25	50/5	-	2.5(2T)	40	702500505
	RCT-25	60/5	-	2.5(2T)	40	702500605
	RCT-25	75/5	2.5(2T)	1.5	40	702500755
	RCT-25	100/5	1.5	2.5	40	702501005

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
	RCT-35	30/5	-	-	40	703500305
	RCT-35	50/5	-	2.5(2T)	40	703500505
	RCT-35	60/5	-	2.5(2T)	40	703500605
	RCT-35	80/5	-	1.5	40	703500805
	RCT-35	100/5	1.5	2.5	40	703501005
	RCT-35	120/5	2.5	3.75	40	703501205
	RCT-35	150/5	2.5	3.75	40	703501505
	RCT-35	200/5	3.75	5	40	703502005
	RCT-35	250/5	3.75	5	40	703502505
	RCT-35	300/5	5	10	40	703503005

RCT SERIES CURRENT TRANSFORMERS

A

Ref.

Type

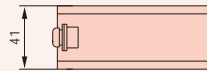
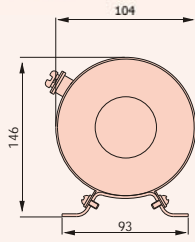
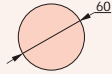
Ratio(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty.(Pcs)

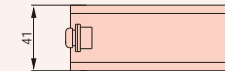
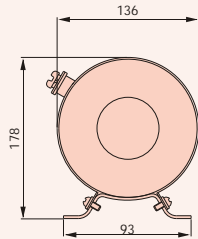
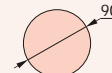
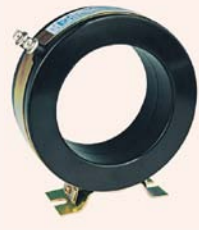
Item
Code

RCT-60



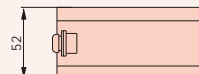
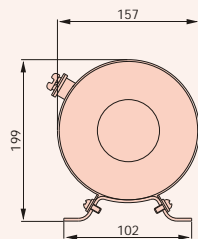
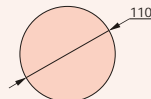
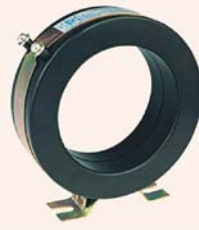
RCT-60	300/5	2.5	5	40	706103005
RCT-60	400/5	5	5	40	706104005
RCT-60	500/5	5	7.5	40	706105005
RCT-60	600/5	5	7.5	40	706106005
RCT-60	800/5	5	7.5	40	706108005
RCT-60	1000/5	10	15	40	706110005
RCT-60	1200/5	10	15	40	706112005

RCT-90



Type	Ratio(A)	Burden(VA)		Case Qty.(Pcs)	Item Code
		Class: 0.5	Class: 1.0		
RCT-90	800/5	5	10	24	709008005
RCT-90	1000/5	10	15	24	709010005
RCT-90	1200/5	10	15	24	709012005
RCT-90	1500/5	10	15	24	709015005
RCT-90	1600/5	10	15	24	709016005

RCT-110



Type	Ratio(A)	Burden(VA)		Case Qty.(Pcs)	Item Code
		Class: 0.5	Class: 1.0		
RCT-110	1000/5	10	15	20	711010005
RCT-110	1200/5	10	15	20	711012005
RCT-110	1500/5	15	20	20	711015005
RCT-110	1600/5	15	20	20	711016005
RCT-110	2000/5	15	20	20	711020005
RCT-110	2500/5	15	20	20	711025005
RCT-110	3000/5	15	20	20	711030005

MR SERIES CURRENT TRANSFORMERS

DESCRIPTION

A range (6 standard silicon steel core frames) tape wrapping current transformer, low cost, widely used in southeast Asia, can be with or without foot and plastic cover.

FEATURE

With / without base mounting
 With / without plastic terminal cover
 Low cost
 Primary current from 30A to 5000A.

SPECIFICATIONS

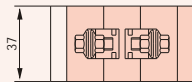
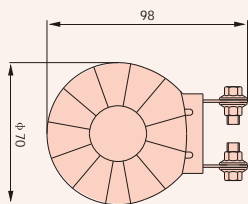
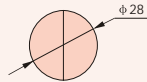
Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current (I_{th})	60In
Rated dynamic current, (I_{dyn})	2.5Ith
Rated voltage, (U_m)	0.72kV AC.
Continuous overload, (I_d)	1.2In
Operating temperature	-10°C ~ 50°C
Safety factor	FS 5
Secondary current	5A/1A

*Other technical specifications, on request

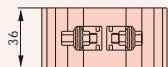
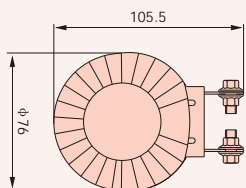
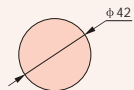
STANDARD

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 0.5	Class: 1.0		
MR-28	MR-28	50/5	-	1.5	48	802500505
	MR-28	60/5	-	1.5	48	802500605
	MR-28	75/5	-	1.5	48	802500755
	MR-28	100/5	1.5	2.5	48	802501005



MR-42



Type	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MR-42	100/5	1.5	2.5	40	804201005
MR-42	150/5	1.5	2.5	40	804201505
MR-42	200/5	2.5	5	40	804202005
MR-42	250/5	3.75	5	40	804202505
MR-42	300/5	3.75	5	40	804203005

A

Ref.

Type

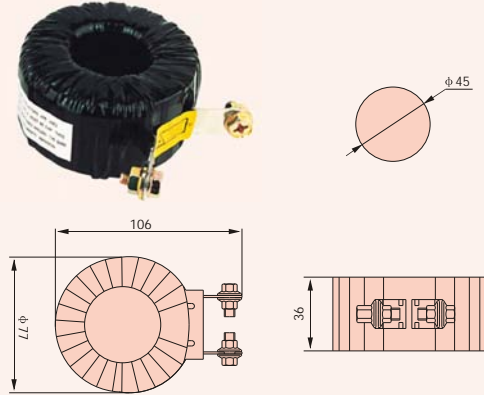
Ratio(A)

Burden(VA)
Class: 0.5 Class: 1.0

Case
Qty. (Pcs)

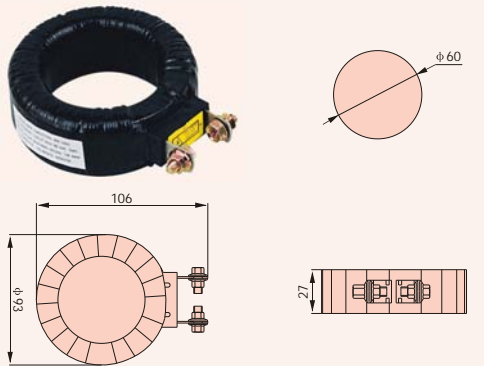
Item
Code

MR-45



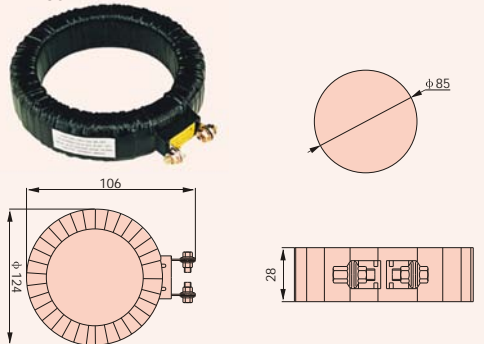
MR-45	250/5	3.75	5	48	804502505
MR-45	300/5	5	7.5	48	804503005
MR-45	400/5	5	7.5	48	804504005

MR-60



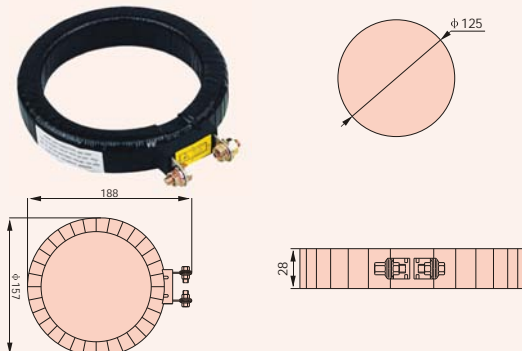
Type	Ratio(A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MR-60	300/5	3.75	5	54	806003005
MR-60	400/5	5	7.5	54	806004005
MR-60	500/5	5	10	54	806005005
MR-60	600/5	7.5	10	54	806006005
MR-60	800/5	7.5	10	54	806008005

MR-85



Type	Ratio(A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MR-85	600/5	5	10	30	808506005
MR-85	800/5	7.5	10	30	808508005
MR-85	1000/5	10	15	30	808510005
MR-85	1200/5	10	15	30	808512005
MR-85	1500/5	10	15	30	808515005
MR-85	1600/5	10	15	30	808516005

MR-125



Type	Ratio(A)	Burden(VA)		Case Qty. (Pcs)	Item Code
		Class: 0.5	Class: 1.0		
MR-125	2000/5	15	20	24	812520005
MR-125	2500/5	15	20	24	812525005
MR-125	3000/5	15	20	24	812530005
MR-125	4000/5	20	30	24	812540005
MR-125	5000/5	20	30	24	812550005

PR SERIES PROTECTION CURRENT TRANSFORMERS

DESCRIPTION

Protective current transformer are required to operate over rated current many times and is frequently subjected to conditions greatly exceeding those which it would be subjected to as a measuring current transformer. When a current transformer is used to energize a protective relay, it must maintain its characteristic ratio up to some multiple of its rated current. This multiple maybe 5, 10, 20 or some even higher value and is known as the "Accuracy Limit Factor"(ALF). There for, the selection of Protective Current Transformer in relation to accuracy class and ALF require a close examination of relay characteristics and circuit conditions which includes the relay burden and the pilot wire lead burden.

FEATURE

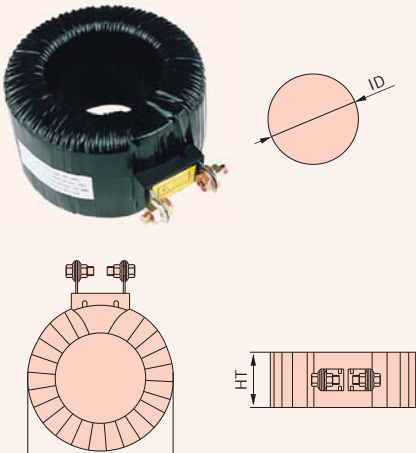
- Primary current from 100A to 5000A.
- Protection grade: 5P10; 10P5; 10P10

SPECIFICATIONS

Rated Frequency	50/60Hz
Rated test voltage	3kV AC. (1 min)
Rated short-time thermal current(I_{th})	60 I_n
Rated dynamic current, (I_{dyn})	2.5 I_{th}
Rated voltage, (U_m)	0.72Kv AC.
Continuous overload, (I_d)	1.2 I_n
Operating temperature	-10°C ~ 50°C
Accuracy Limit Factor (ALF)	5, 10, 20
Secondary current	5A/1A

*Other technical specifications, on request

STANDARD IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Ref.	Type	Ratio (A)	Burden (VA)	Dimension(mm)			Item Code
				ID	OD	HT	
	PR-34 10P5	60/5	15	34	100	148	910500605
	PR-34 10P5	100/5	15	34	100	98	910501005
	PR-34 10P5	150/5	15	34	100	68	910501505
	PR-34 10P5	200/5	15	34	100	58	910502005
	PR-45 10P5	250/5	15	45	96	68	910502505
	PR-45 10P5	300/5	15	45	96	58	910503005
	PR-60 10P5	400/5	15	60	100	58	910504005
	PR-60 10P5	500/5	15	60	100	48	910505005
	PR-65 10P5	600/5	15	65	100	48	910506005
	PR-85 10P5	800/5	15	85	120	38	910508005

A

Ref.

Type

Ratio
(A)

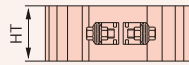
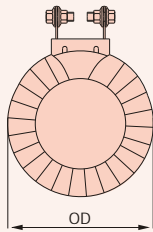
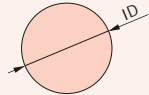
Burden (VA)

Dimension(mm)

ID OD HT

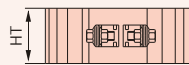
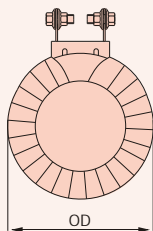
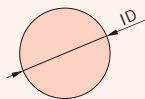
Item
Code

PR 5P10



PR-30 10P10	60/5	15	30	145	155	910100605
PR-34 10P10	100/5	15	34	100	168	910101005
PR-34 10P10	150/5	15	34	100	108	910101505
PR-34 10P10	200/5	15	34	100	88	910102005
PR-45 10P10	250/5	15	45	96	108	910102505
PR-45 10P10	300/5	15	45	96	98	910103005
PR-60 10P10	400/5	15	60	100	98	910104005
PR-60 10P10	500/5	15	60	100	83	910105005
PR-68 10P10	600/5	15	68	110	68	910106005
PR-85 10P10	800/5	15	85	120	63	910108005
PR-82 10P10	1000/5	15	82	123	55	910110005
PR-82 10P10	1200/5	15	82	123	55	910112005
PR-82 10P10	1600/5	15	82	123	45	910116005
PR-125 10P10	2000/5	15	125	178	35	910120005
PR-125 10P10	2500/5	15	125	178	35	910125005
PR-120 10P10	3000/5	15	120	178	35	910130005
PR-140 10P10	3500/5	15	140	200	35	910135005
PR-140 10P10	4000/5	15	140	200	35	910140005
PR-140 10P10	5000/5	15	140	200	35	910150005

PR 10P10



Type	Ratio (A)	Burden (VA)	Dimension(mm)			Item Code
			ID	OD	HT	
PR-30 5P10	60/5	15	30	145	165	951000605
PR-34 5P10	100/5	15	34	100	180	951001005
PR-34 5P10	150/5	15	34	100	130	951001505
PR-34 5P10	200/5	15	34	100	110	951002005
PR-45 5P10	250/5	15	45	96	110	951002505
PR-45 5P10	300/5	15	45	96	110	951003005
PR-60 5P10	400/5	15	45	96	90	951004005
PR-60 5P10	500/5	15	60	100	100	951005005
PR-68 5P10	600/5	15	68	110	78	951006005
PR-85 5P10	800/5	15	85	120	78	951008005
PR-82 5P10	1000/5	15	82	123	70	951010005
PR-82 5P10	1200/5	15	82	123	70	951012005
PR-82 5P10	1600/5	15	82	123	60	951016005
PR-125 5P10	2000/5	15	125	178	38	951020005
PR-125 5P10	2500/5	15	125	178	35	951025005
PR-120 5P10	3000/5	15	120	178	35	951030005
PR-140 5P10	3500/5	15	140	200	35	951035005
PR-140 5P10	4000/5	15	140	200	35	951040005
PR-140 5P10	5000/5	15	140	200	35	951050005