

● GENERAL

Current Transformer (C.T.) is used to transform the high AC current to small easily manageable values. They're connected with the Panel Meter or Relay and they can help to measure the current or protect the equipments. Low voltage current transformers are manufactured as of two types for measuring CT and protection CT.

● MEASURING CT

Measuring current transformers are constructed to feed on other low voltage apparatus such as measuring instruments, relays, watt-hour meters (kW meter) and these type of current transformers are mainly used 0.5 and 1 class to transfer the current from highest rated current to rated secondary current.

● PROTECTION CT

Protection current transformers are constructed to feed the protection relay. These type of current transformers are mainly used 5P. (Customer supplied when required.)

● REFERENCE STANDARDS

IEC60044-1, VDE0414-44-1, DIN57414, BS3938, Bs7626, EN60044-1, GB1208-2009

● SECURITY FACTOR

FS < 5

● MAXIMUM SYSTEM VOLTGE

720V AC

● TEST VOLTAGE

3kV AC(1 min.)

● FREQUENCY

50/60Hz

● RATED SHORT-TIME THERMAL CURRENT

Ith=60 X In
Ith limited by cable sizes or primary bus-bar for other case

● RATED DYNAMIC CURRENT

Idyn=2.5 X Ith

● CONTINUOUS OVERLOAD

1.2 X In

● OPERATING TEMPERATURE

-25℃ ~ +50℃

● ACCURACY

Measuring 0.5; 1.0; 3.0 (Special accuracy upon request)
Protection 5P; 10P

● BURDEN

Ranging from 1.5-30VA

● RATED SECONDARY CURRENT

x/5A (x/1A upon request)

● RATED PRIMARY CURRENT

Ranging up to 6000A

● INSULATION

Class B for Casing type CT
Class A for Taping type CT

● CASING

Non-flammable, polycarbonate self extinguishing ABS/PC

● TERMINAL MARKS

VO to UL94
Primary P1 & P2(K & L)
Secondary S1 & S2(K & L)

● 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, the cable which is used to connect the Current Transformer and associated measuring device

● POWER LOSSES OF THE CT

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, PL:

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

Factors to be taken into account:

Secondary current: PL = RL · /2

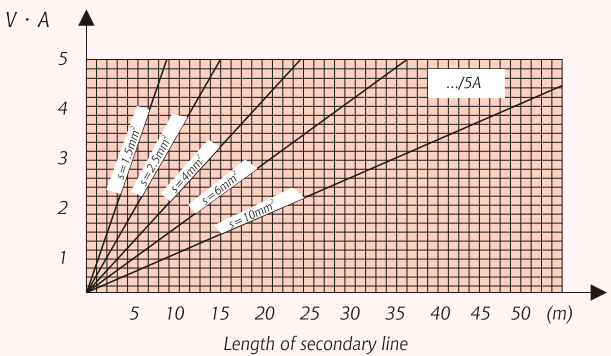
Cable diameter: RL is inversely proportional to the square of the diameter

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

Power:

The nominal apparent power (V · A) with a specified power factor, which was supplied by the Current Transformer, to the secondary current with

● TABLE OF LOSSES IN THE SECONDARY LINE



the assigned current when it is connected to its nominal load, Sc (V · A) = Zc · (I/sn)² According to Standards, for apparent power greater than or equal to 5 VA, the power factor is 0.8 inductive. For apparent power less then 5 V · A the power factor is considered to be one (unity).

● ACCURACY OF A CURRENT 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.

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

● ERROR LIMITS. ACCURACY CLASSES OF MEASURING CT

Accuracy Classes	± % 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

Accuracy Classes	± % 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
0.25	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
0.55	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

Accuracy Classes	± % Error for % I _n											
% In	50						120					
3	3						3					
5	5						5					

No. phase error

● ERROR LIMITS. ACCURACY CLASSES OF PROTECTION CT

Accuracy Classes	± % 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 CT

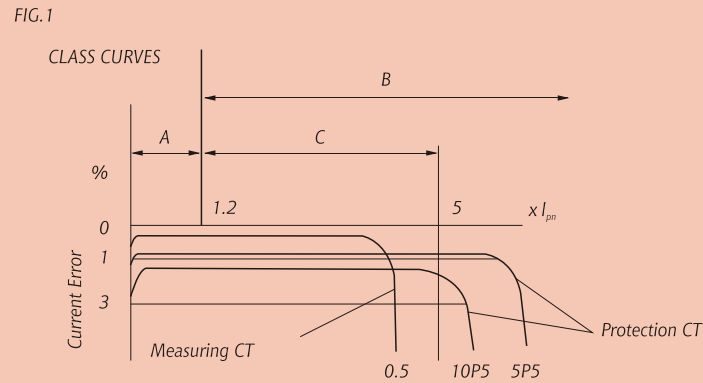
The current transformer is saturated if the primary current, passing through the CT, is greater than the nominal rating of the CT.

The linearity of CT, between the primary and secondary sides decreases, so error increases. The saturation of the CT is inversely proportional to the load (Fig. 1).

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.

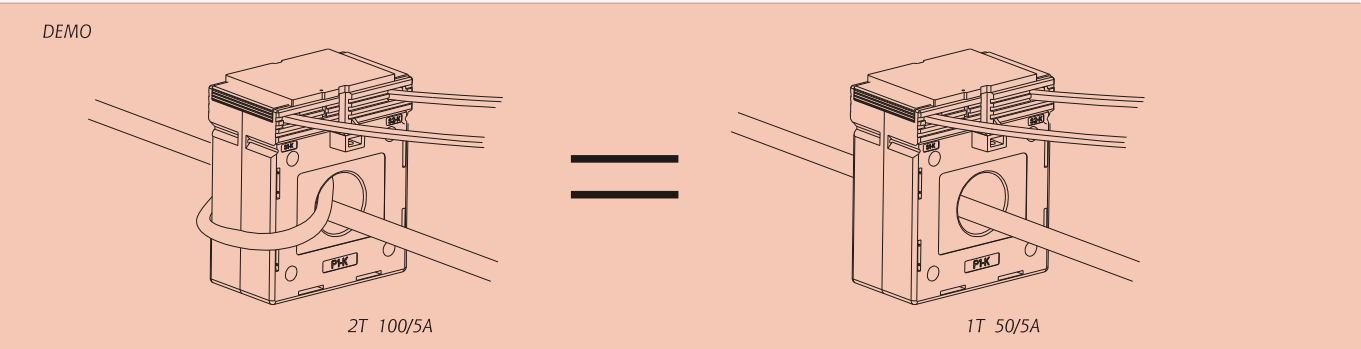


Instrument	Burden Consumed
Moving iron instruments	0.3-1.5VA
Moving coil instruments	0.5VA
Analogue power meter	0.2-2.5VA
Maximum Demand Ammeter	2.5-5.0VA
Digital Meter	0.5-1.0VA
Energy Meter	1.0-1.5VA
Recording Instruments	2.0-5.0VA

● 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

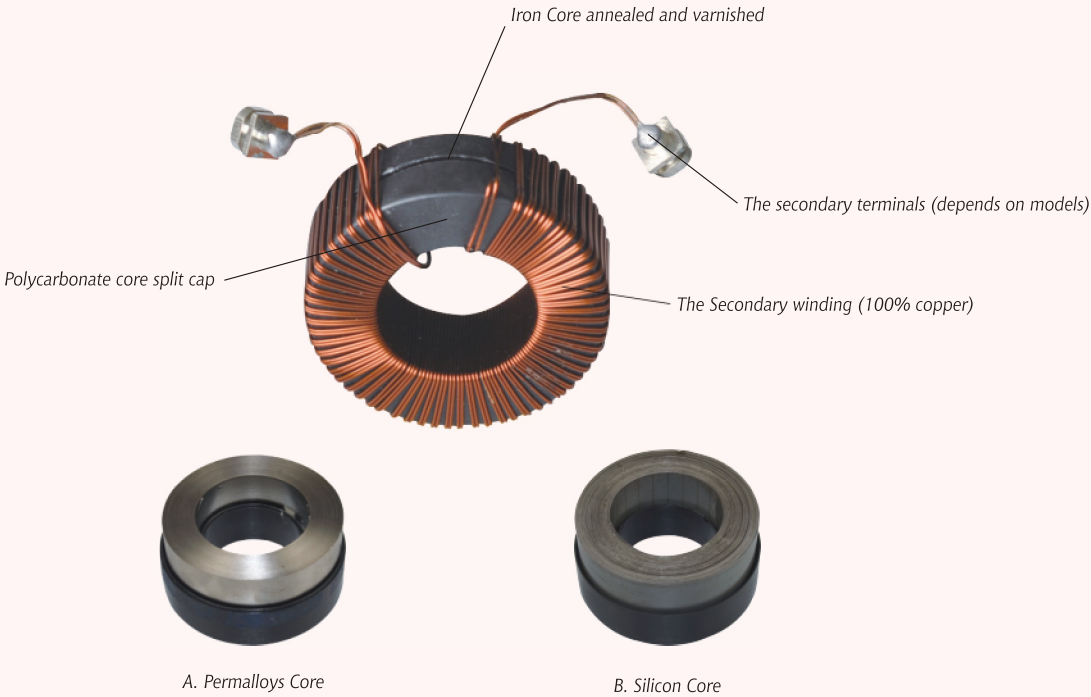
Transformer with the primary current be turned twice which help to keep the samerated turns ratio(1:50 = 2:100).



● CONSTRUCTION

CT consist of primary winding, secondary winding, magnetic core and insulated body. The high-grade silicon steel core is annealed, varnished then insulated with polycarbonate core caps. The secondary winding is toroidally wound by high precision semi-automatic machinery. For the

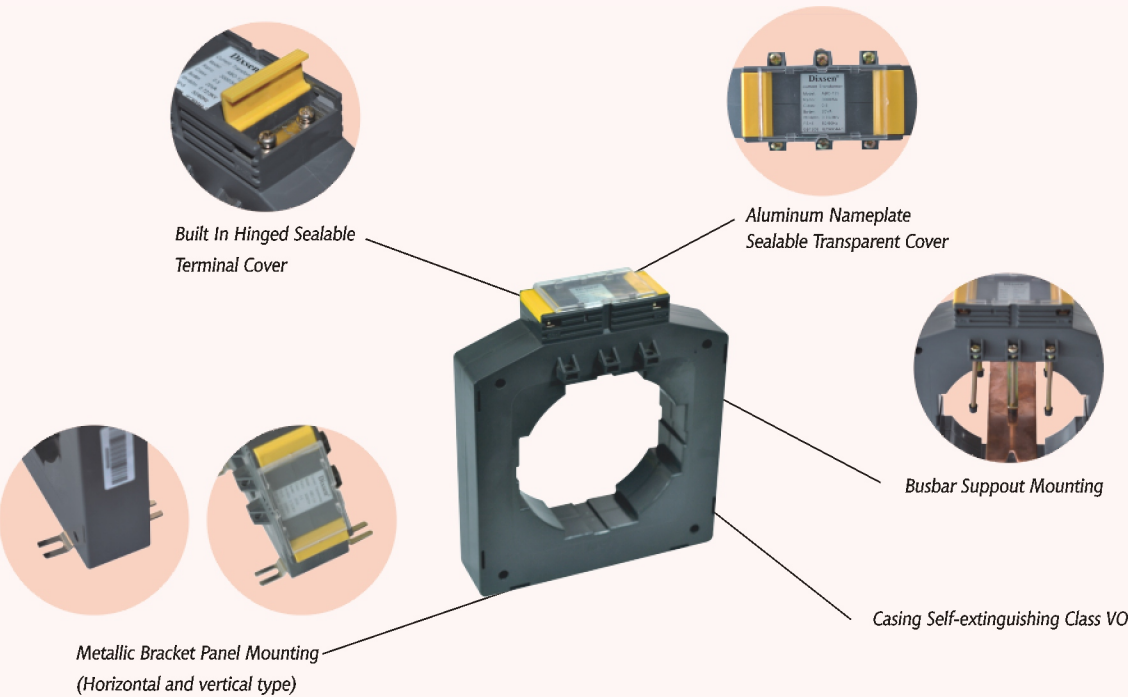
tape wound ring type current transformer, the PEW coated windings are then covered with elephantite paper, varnished and double-tapped with PVS tapes. For the encapsulated type current transformer, the windings are enclosed in a compact and heat resistant split cap.

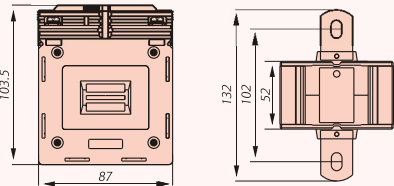


● KIND REMINDER:

- 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!
- Resistance of current transformer is very low, so that secondary winding of current transformer can be operated as a shortcircuit, when required in test operation. Otherwise, this condition causes high voltage and can be dangerous during usage.
- When selecting a current transformer, it is important to consider the power absorbed by the cables connected between the CT secondary terminals and the measuring instrument. The resultant cable burden should be added to the equipment burden, and the total should not exceed the available VA of the CT.
- P1 (K) must face the supply feeder, and P2 (L) must face the load. It is also important to ensure that secondary connections are made in accordance with instrument diagrams. The secondary terminals of the CT must NOT be open-circuited on load as dangerously high voltages may be present under these conditions. It is recommended that one side of the secondary windings is earthed.

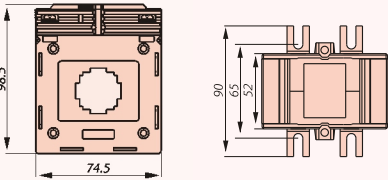
FEATURE



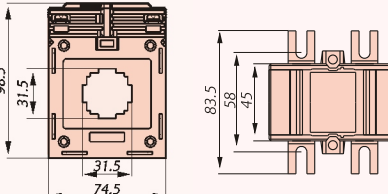
Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5S	Class:0.5		
ABO-B  	ABO-B	5/5	5	5	24	030100055
	ABO-B	10/5	5	5	24	030100105
	ABO-B	15/5	5	5	24	030100155
	ABO-B	20/5	5	5	24	030100205
	ABO-B	30/5	5	5	24	030100305
	ABO-B	40/5	5	5	24	030100405
	ABO-B	50/5	5	5	24	030100505
	ABO-B	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

Note: Class/VA rating must be mentioned when ordering.

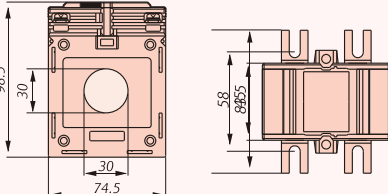
ABO Series

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5S	Class:0.5		
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

Note: Class/VA rating must be mentioned when ordering.

ABO-30  	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

Note: Class/VA rating must be mentioned when ordering.

ABO-30C  	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

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			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
	ABO-40	500/5	5	5	48	004005005

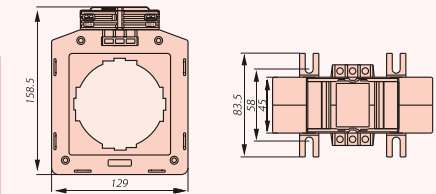
Note: Class/VA rating must be mentioned when ordering.

ABO-60	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
	ABO-60	1000/5	5	10	30	006010005

Note: Class/VA rating must be mentioned when ordering.

ABO-85	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

Note: Class/VA rating must be mentioned when ordering.



Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5S	Class:0.5		
ABO-100	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
	ABO-100	3000/5	10	15	20	010030005
	ABO-100	3000/5	10	15	20	010030005

Note: Class/VA rating must be mentioned when ordering.

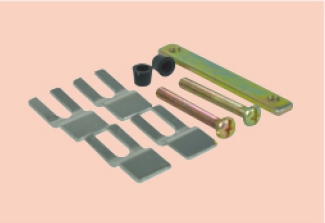
ABO-125	ABO-125	1500/5	7.5	10	10	012515005
	ABO-125	1600/5	7.5	10	10	012516005
	ABO-125	2000/5	10	15	10	012520005
	ABO-125	2500/5	10	15	10	012525005
	ABO-125	3000/5	10	15	10	012530005
	ABO-125	4000/5	15	20	10	012540005
	ABO-125	5000/5	15	20	10	012550005
	ABO-125	5000/5	15	20	10	012550005

Note: Class/VA rating must be mentioned when ordering.

• ACCESSORY



ABO-B



ABO-30/40/30T



ABO-60/70



ABO-85/100/125

● FEATURE

DBP Series



Built In Hinged Sealable Terminal Cover



Casing Self-extinguishing Class VO



Split core design for easily opening and installation without any supply interruption



Metallic Bracket Panel Mounting



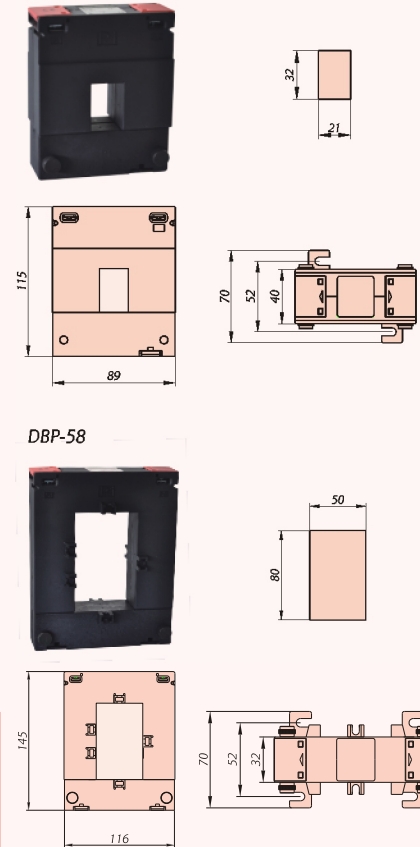
Busbar Support Mounting



Split Core

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
DBP-23	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

Note: Class/VA rating must be mentioned when ordering.

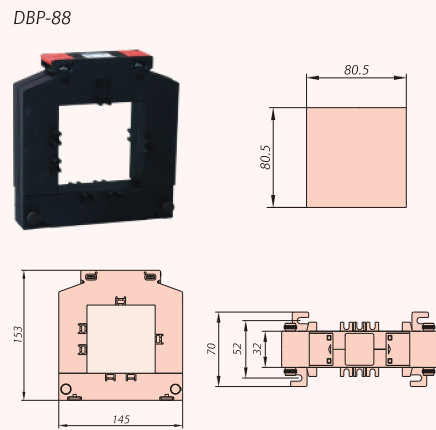


DBP-58	250/5	-	1.5	10	405802505
DBP-58	300/5	-	2.5	10	405803005
DBP-58	400/5	1.5	2.5	10	405804005
DBP-58	500/5	2.5	5	10	405805005
DBP-58	600/5	2.5	5	10	405806005
DBP-58	750/5	2.5	5	10	405807505
DBP-58	800/5	3.75	5	10	405808005
DBP-58	1000/5	5	10	10	405810005

Note: Class/VA rating must be mentioned when ordering.

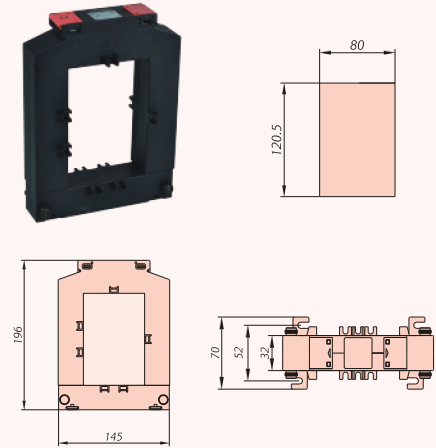
Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
DBP-88	DBP-88	250/5	-	1.5	10	408802505
	DBP-88	300/5	-	1.5	10	408803005
	DBP-88	400/5	-	2.5	10	408804005
	DBP-88	500/5	1.5	2.5	10	408805005
	DBP-88	600/5	2.5	5	10	408806005
	DBP-88	750/5	2.5	5	10	408807505
	DBP-88	800/5	3.75	5	10	408808005
	DBP-88	1000/5	5	7.5	10	408810005

Note: Class/VA rating must be mentioned when ordering.



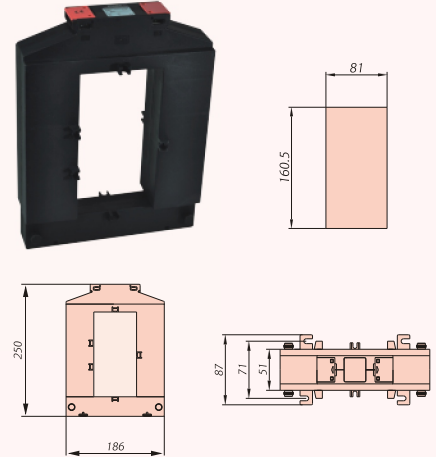
DBP-812	500/5	-	2.5	10	481205005
DBP-812	600/5	-	2.5	10	481206005
DBP-812	750/5	2.5	5	10	481207505
DBP-812	800/5	2.5	5	10	481208005
DBP-812	1000/5	3.75	7.5	10	481210005
DBP-812	1200/5	5	10	10	481212005
DBP-812	1250/5	5	10	10	481212505
DBP-812	1500/5	7.5	10	10	481215005

Note: Class/VA rating must be mentioned when ordering.

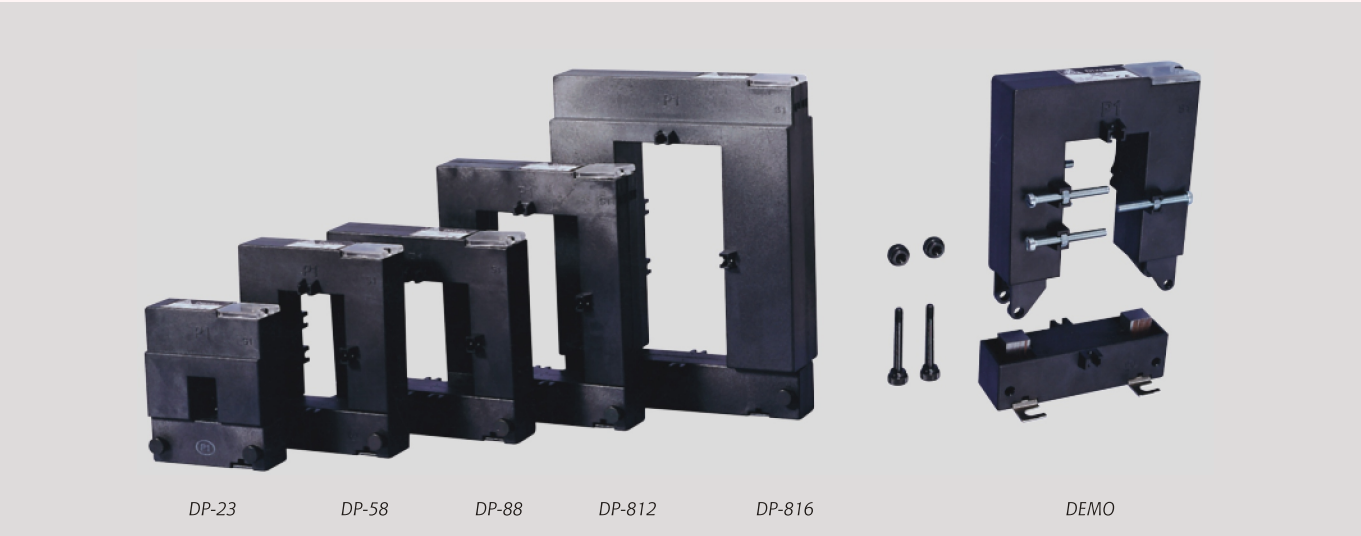


DBP-816	1000/5	5	10	5	481610005
DBP-816	1500/5	7.5	10	5	481615005
DBP-816	2000/5	10	15	5	481620005
DBP-816	2500/5	15	20	5	481625005
DBP-816	3000/5	20	25	5	481630005
DBP-816	4000/5	20	25	5	481640005
DBP-816	5000/5	20	25	5	481650005

Note: Class/VA rating must be mentioned when ordering.



• OLD RANG DP MODEL



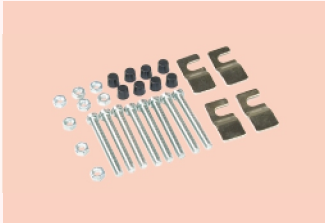
• SPECIFICATION SAME AS DBP MODEL



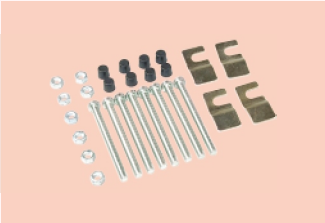
• ACCESSORY



DBP-23



DBP-58



DBP-88/812/816

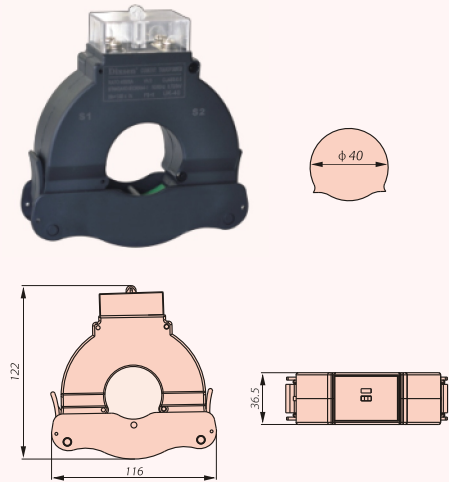
Accessories of DP model are same to DBP model.

• FEATURE

UK Series



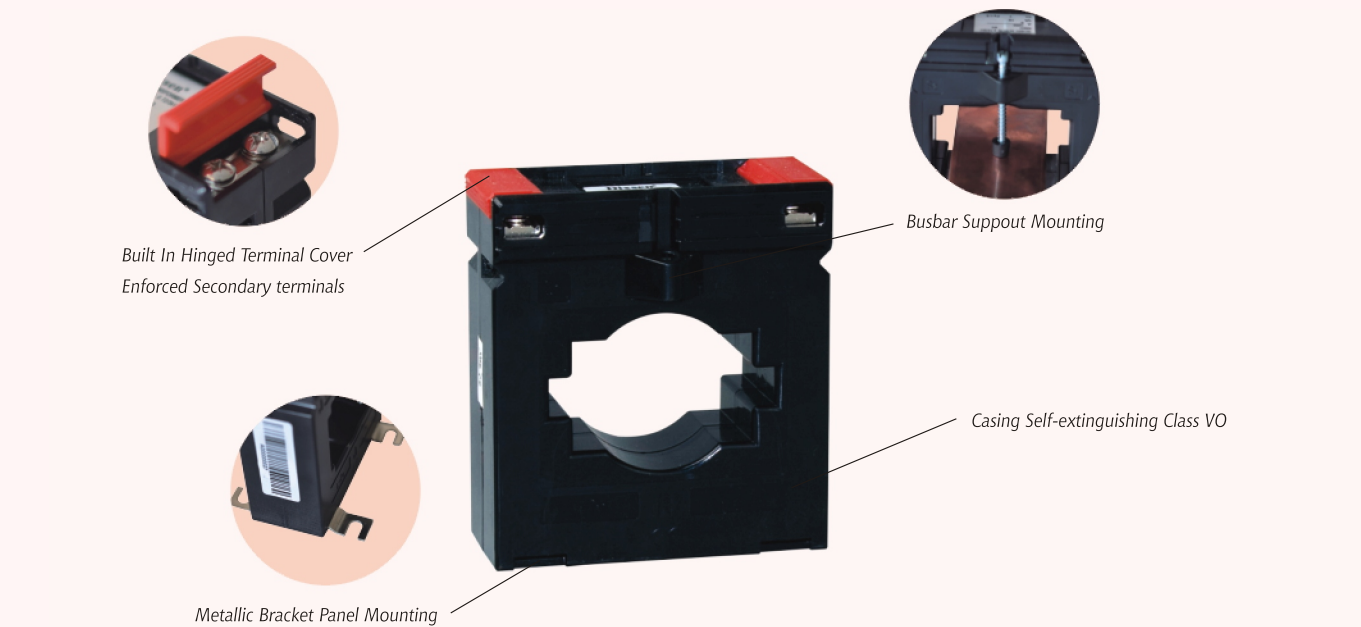
Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
UK-40	UK-40	100/5	-	1	10	304001005
	UK-40	150/5	1	1.5	10	304001505
	UK-40	200/5	1.5	2.5	10	304002005
	UK-40	250/5	1.5	2.5	10	304002505
	UK-40	300/5	1.5	2.5	10	304003005
	UK-40	400/5	2.5	5	10	304004005
	UK-40	500/5	2.5	5	10	304005005
	UK-40	600/5	2.5	5	10	304006005
	UK-40	800/5	2.5	5	10	304008005



Note: Class/VA rating must be mentioned when ordering.
There is no accessory for UK-40.

FEATURE

MBO Series



Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
MBO-62/B	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-62/20	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-62/30	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-62/40	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	2	84	640301005
	MBO-62/40	150/5	1.5	2.5	84	640301505
MBO-62/50	MBO-62/50	200/5	2.5	5	84	630302005
	MBO-62/50	250/5	2.5	5	84	630302505
	MBO-62/50	300/5	3.75	5	84	630303005
	MBO-62/50	400/5	3.75	5	84	630303005

Note: Class/VA rating must be mentioned when ordering.

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

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
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

Note: Class/VA rating must be mentioned when ordering.

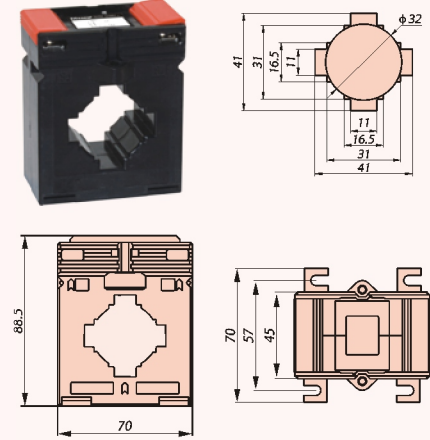
MBO-62/40	60/5	1.5 (3T)	3.75 (3T)	84	640300605
MBO-62/40	75/5	1.5 (2T)	3.75 (2T)	84	640300755
MBO-62/40	100/5	1	2	84	640301005
MBO-62/40	150/5	1.5	2.5	84	640301505
MBO-62/40	200/5	2.5	3	84	640302005
MBO-62/40	250/5	2.5	3	84	640302505
MBO-62/40	300/5	3.75	3	84	640303005
MBO-62/40	400/5	3.75	3	84	640304005

Note: Class/VA rating must be mentioned when ordering.

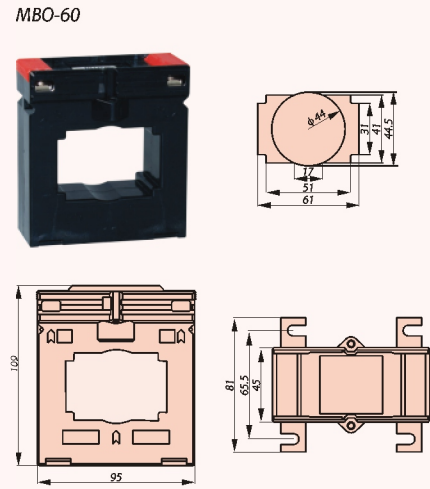
MBO-30	50/5	-	1.5 (2T)	40	603000505
MBO-30	60/5	-	1.5 (2T)	40	603000605
MBO-30	75/5	-	1.5	40	603000755
MBO-30	100/5	1.5	2.5	40	603001005
MBO-30	150/5	1.5	2.5	40	603001505
MBO-30	200/5	2.5	5	40	603002005
MBO-30	250/5	3.75	5	40	603002505
MBO-30	300/5	5	5	40	603003005
MBO-30	400/5	5	5	40	603004005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	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

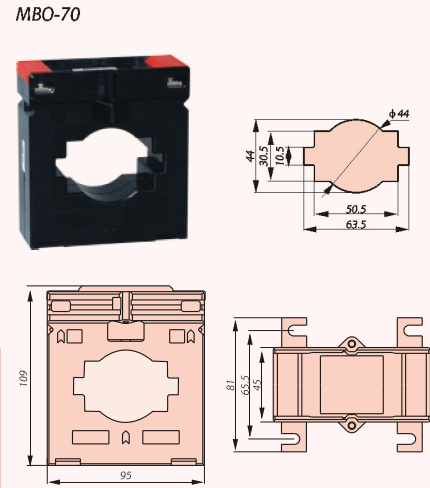


Note: Class/VA rating must be mentioned when ordering.



MBO-60	400/5	2.5	5	42	607004005
MBO-60	500/5	5	10	42	607005005
MBO-60	600/5	5	10	42	607006005
MBO-60	750/5	5	10	42	607007505
MBO-60	800/5	5	10	42	607008005
MBO-60	1000/5	5	15	42	607010005
MBO-60	1200/5	5	15	42	607012005
MBO-60	1500/5	5	15	42	607015005
MBO-60	1600/5	5	15	42	607016005
MBO-60	2000/5	5	15	42	607020005

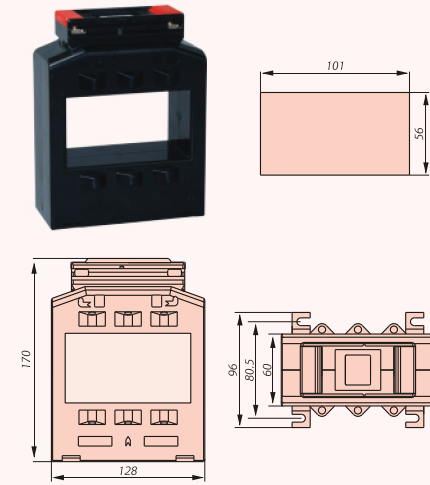
Note: Class/VA rating must be mentioned when ordering.



MBO-70	300/5	1.5	5	42	606003005
MBO-70	400/5	2.5	5	42	606004005
MBO-70	500/5	5	10	42	606005005
MBO-70	600/5	5	10	42	606006005
MBO-70	750/5	5	10	42	606007505
MBO-70	800/5	5	10	42	606008005
MBO-70	1000/5	5	10	42	606010005
MBO-70	1200/5	5	10	42	606012005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
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

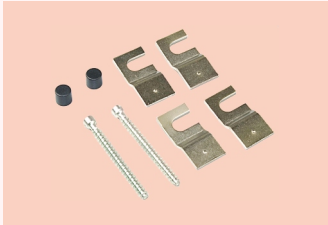


Note: Class/VA rating must be mentioned when ordering.

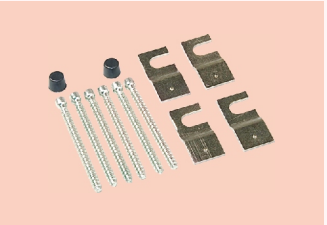
• ACCESSORY



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



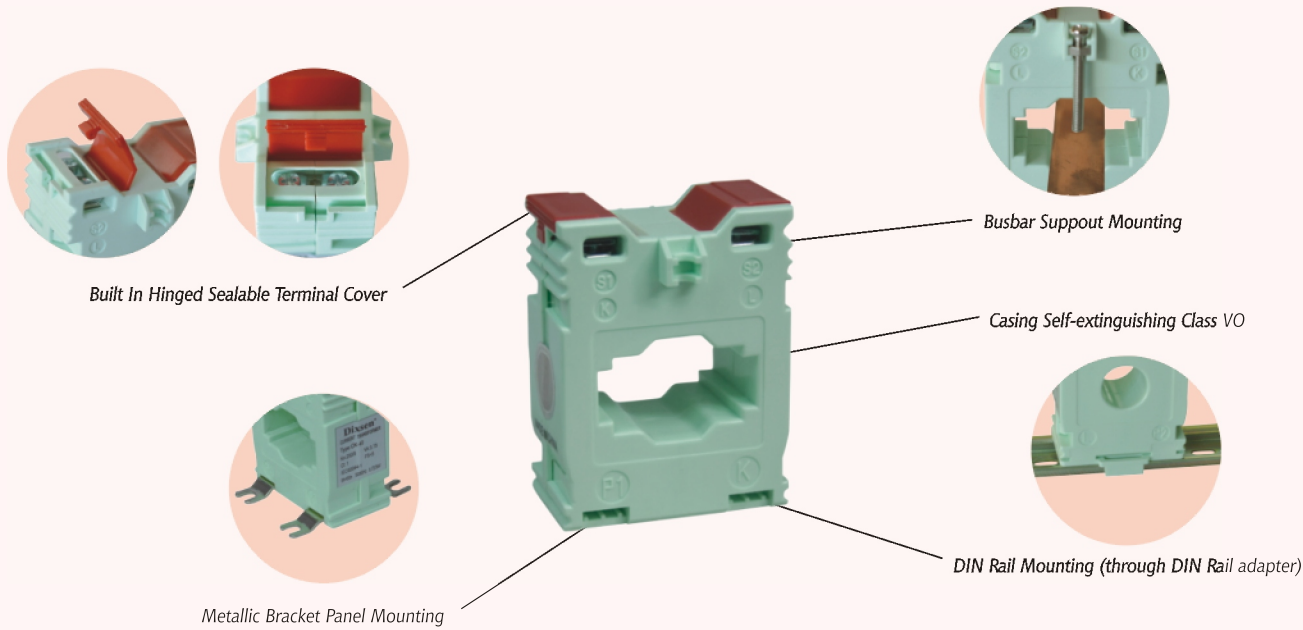
MBO-30, MBO-40
MBO-60, MBO-70



MBO-100

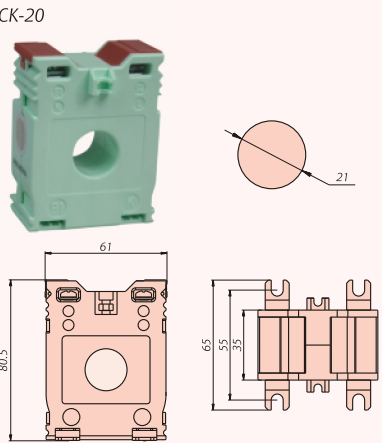
• FEATURE

CK Series



Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
CK-B	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

Note: Class/VA rating must be mentioned when ordering.

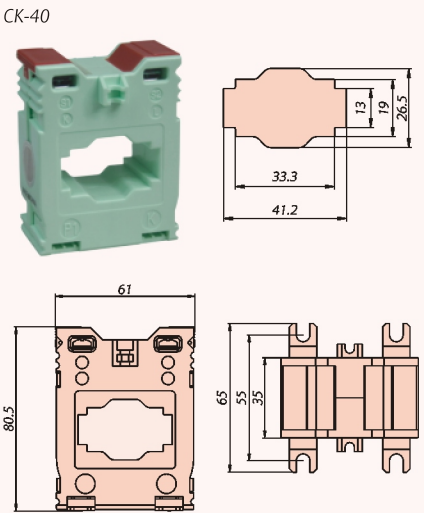
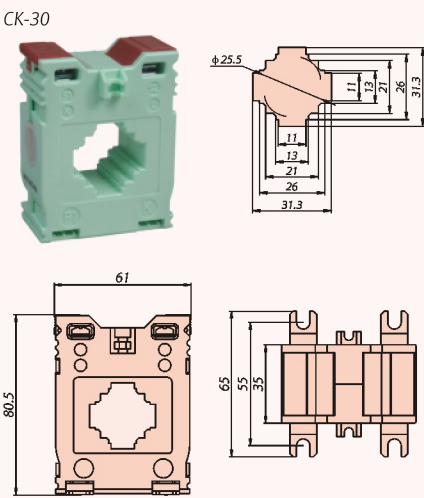


CK-20	50/5	-	1.5 (2T)	60	402000505
CK-20	75/5	-	1.5 (2T)	60	402000755
CK-20	100/5	-	1.5 (2T)	60	402001005
CK-20	150/5	2.5	3.75	60	402001505
CK-20	200/5	2.5	5	60	402002005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
CK-30	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

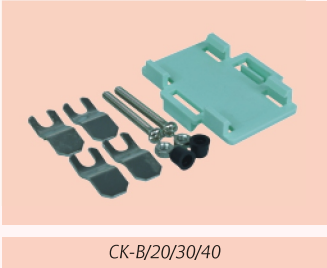
Note: Class/VA rating must be mentioned when ordering.



CK-40	100/5	1	2	60	404001005
CK-40	150/5	1.5	2.5	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

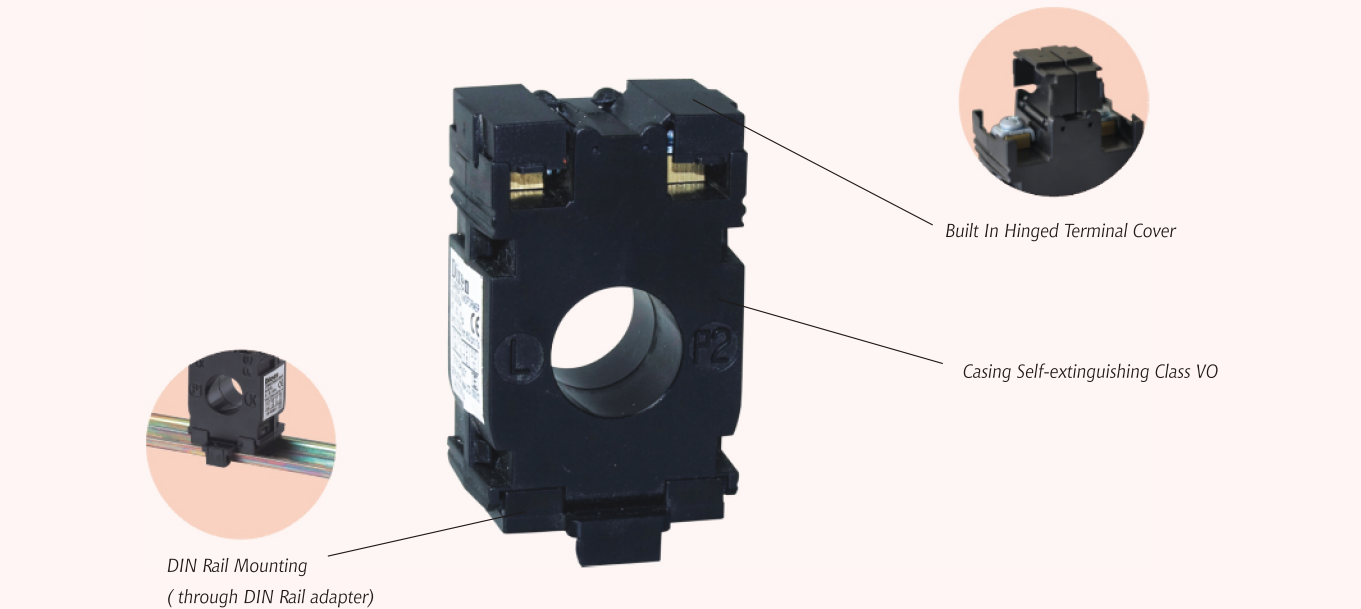
Note: Class/VA rating must be mentioned when ordering.

• ACCESSORY



• FEATURE

DM Series



Ref.	Model	Ratio (A)	Burden(VA) Class:1.0	Case Qty.(Pcs)	Item Code
DM-20	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	1	120	202000405
	DM-20	50/5	1.5	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

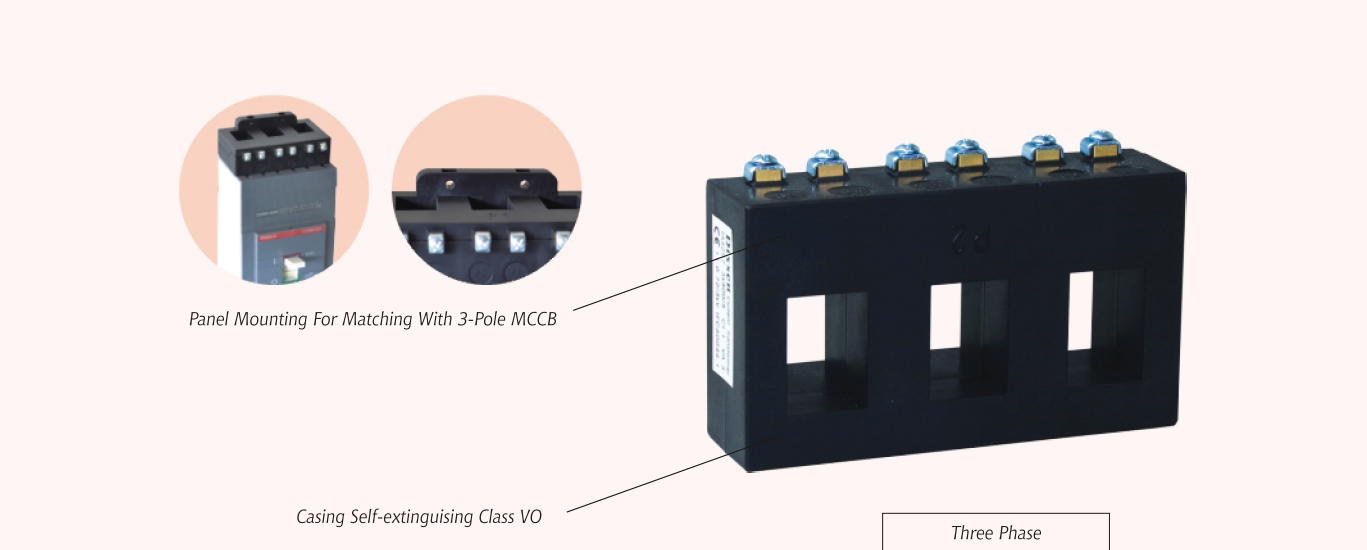
Note: Class/VA rating must be mentioned when ordering.

• ACCESSORY



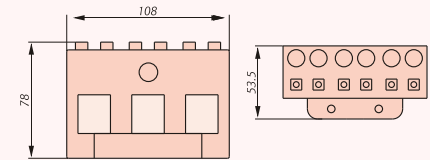
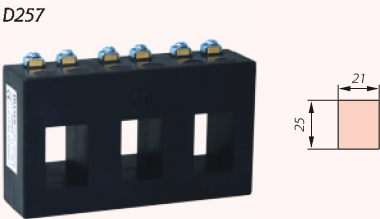
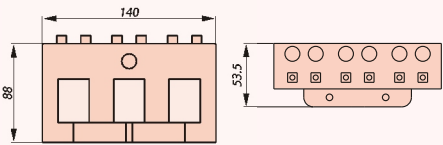
• FEATURE

D Series



Ref.	Model	Ratio (A)	Burden(VA) Class:1.0	Case Qty.(Pcs)	Item Code
D247	D247	100/5	1.5	30	724701005
	D247	150/5	1.5	30	724701505
	D247	200/5	2.5	30	724702005
	D247	250/5	2.5	30	724702505
	D247	300/5	2.5	30	724703005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for D247.

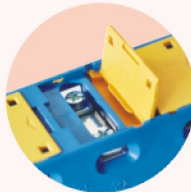
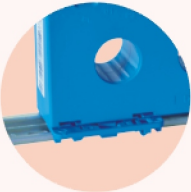


D257	300/5	2.5	20	725703005
D257	400/5	2.5	20	725704005
D257	500/5	2.5	20	725705005
D257	600/5	2.5	20	725706005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for D257.

FEATURE

D Series



DIN Rail Mounting
(through DIN Rail adapter)

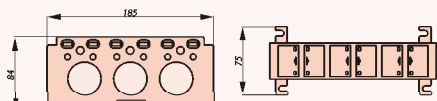
Built In Hinged Sealable Terminal Cover

Metallic Bracket Panel Mounting

Three Phase

Ref.	Model	Ratio (A)	Burden(VA) Class:1.0	Case Qty.(Pcs)	Item Code
D363	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

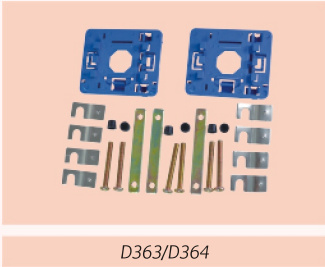
Note: Class/VA rating must be mentioned when ordering.



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

Note: Class/VA rating must be mentioned when ordering.

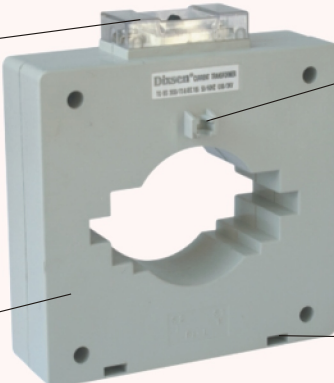
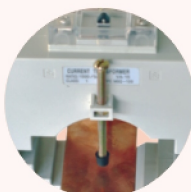
ACCESSORY



D363/D364

FEATURE

MSQ Series



Built In Hinged Sealable Terminal Cover
(Metallic sealable screw for option)

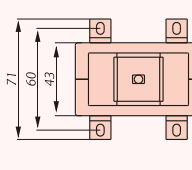
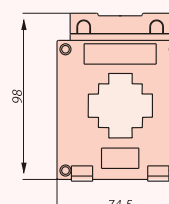
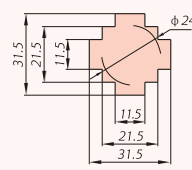
Busbar Support Mounting

Casing Self-extinguishing Class VO

Panel Mounting(through plastic fixing kit)

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
MSQ-30B	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
	Note: Class/VA rating must be mentioned when ordering.					
	MSQ-30	30/5	-	1.5 (3T)	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

Note: Class/VA rating must be mentioned when ordering.

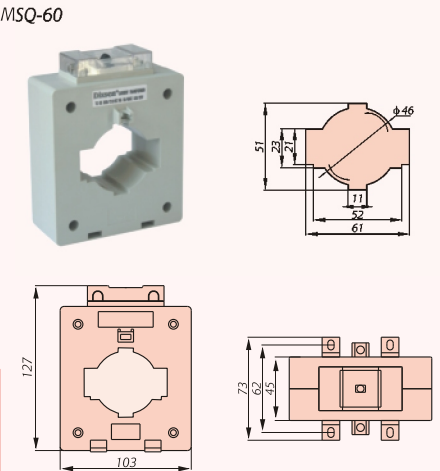
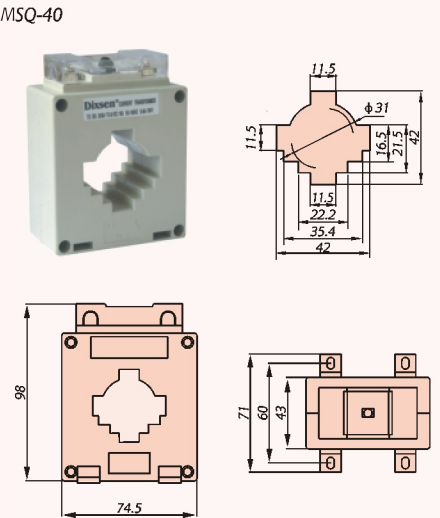
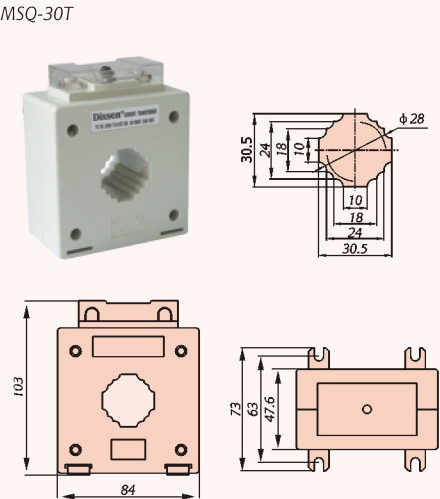


MSQ-30	30/5	-	1.5 (3T)	60	103000305
MSQ-30	40/5	-	1.5 (2T)	60	103000405
MSQ-30	50/5	-	2.5 (2T)	60	103000505
MSQ-30	60/5	-	2.5 (2T)	60	103000605
MSQ-30	75/5	-	1.5	60	103000755
MSQ-30	80/5	-	1.5	60	103000805
MSQ-30	100/5	-	2.5	60	103001005
MSQ-30	150/5	-	3.75	60	103001505
MSQ-30	200/5	5	5	60	103002005
MSQ-30	250/5	5	7.5	60	103002505
MSQ-30	300/5	10	10	60	103003005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
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

Note: Class/VA rating must be mentioned when ordering.



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

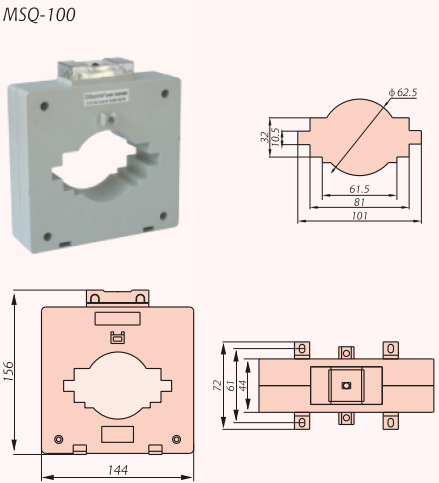
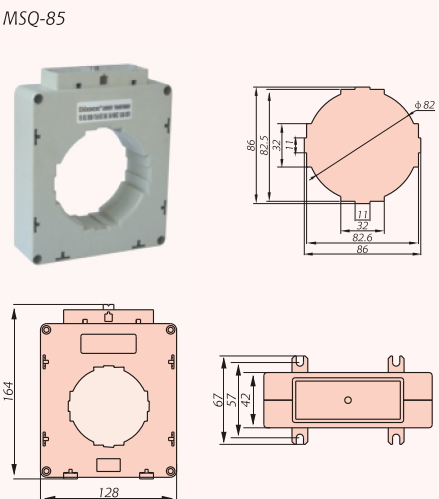
Note: Class/VA rating must be mentioned when ordering.

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

Note: Class/VA rating must be mentioned when ordering.

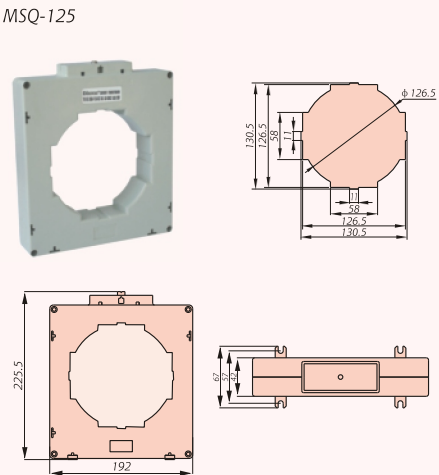
Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
MSQ-85	MSQ-85	750/5	5	10	12	108507505
	MSQ-85	800/5	5	10	12	108508005
	MSQ-85	1000/5	7.5	10	12	108510005
	MSQ-85	1200/5	10	15	12	108512005
	MSQ-85	1500/5	10	15	12	108515005
	MSQ-85	1600/5	10	15	12	108516005
	MSQ-85	2000/5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

Note: Class/VA rating must be mentioned when ordering.



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

Note: Class/VA rating must be mentioned when ordering.

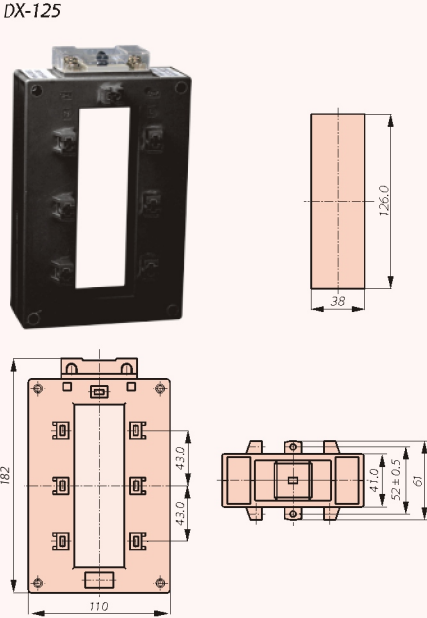


MSQ-125	1000/5	5	10	10	112510005
MSQ-125	1200/5	7.5	10	10	112512005
MSQ-125	1500/5	10	15	10	112515005
MSQ-125	1600/5	10	15	10	112516005
MSQ-125	2000/5	15	20	10	112520005
MSQ-125	2500/5	15	20	10	112525005
MSQ-125	3000/5	15	20	10	112530005
MSQ-125	4000/5	15	20	10	112540005
MSQ-125	5000/5	20	20	10	112550005
MSQ-125	6000/5	20	20	10	112560005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	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

Note: Class/VA rating must be mentioned when ordering.



• ACCESSORY



MSQ-30B



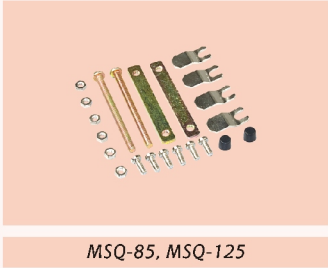
MSQ-30, MSQ-40



MSQ-30T

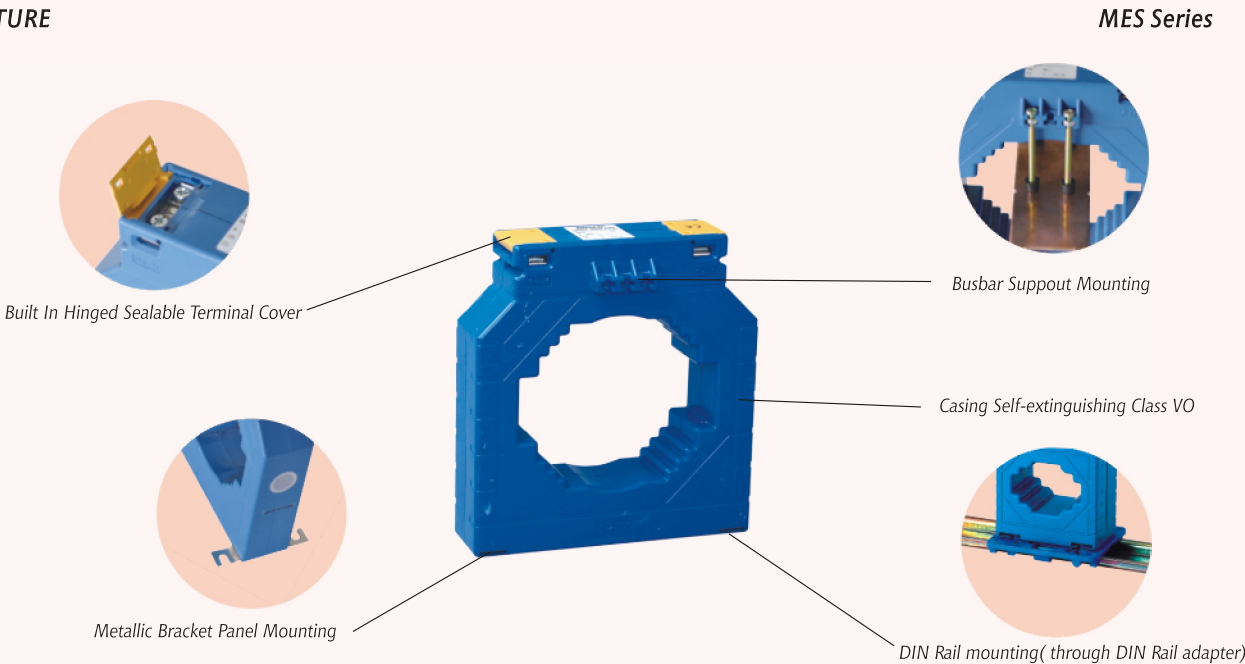


MSQ-60, MSQ-100



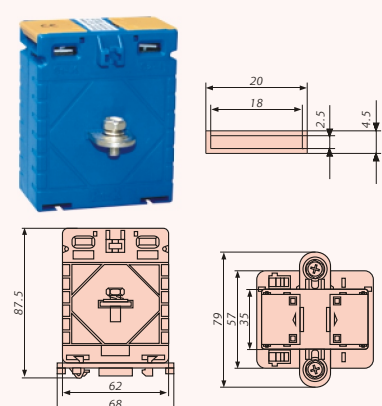
MSQ-85, MSQ-125

• FEATURE

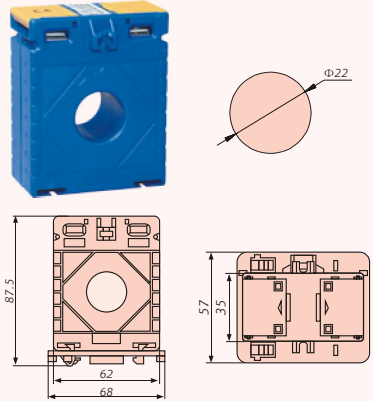


Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
MES-62/B	MES-62/B	5/5	1.5	2.5	40	562100055
	MES-62/B	10/5	1.5	2.5	40	562100105
	MES-62/B	15/5	1.5	2.5	40	562100155
	MES-62/B	20/5	1.5	2.5	40	562100205
	MES-62/B	25/5	1.5	2.5	40	562100255
	MES-62/B	30/5	1.5	2.5	40	562100305
	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

Note: Class/VA rating must be mentioned when ordering.



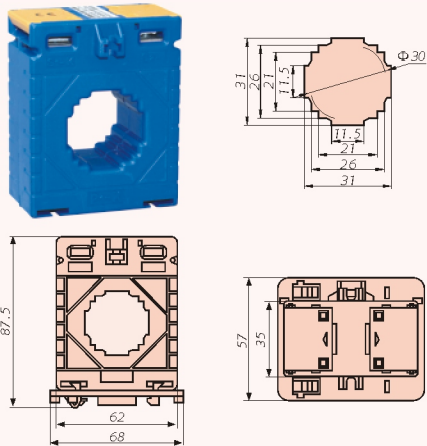
MES-62/20



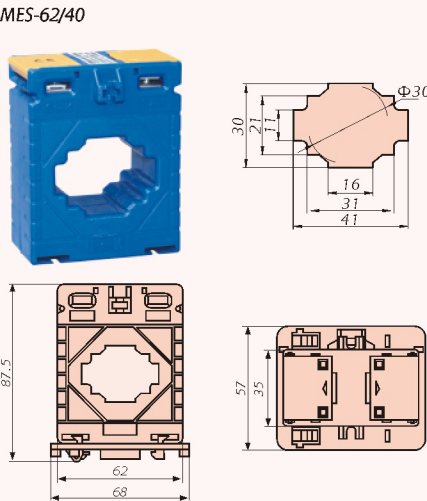
MES-62/20	30/5	-	2.5 (4T)	60	520300305
MES-62/20	40/5	-	2.5 (3T)	60	520300405
MES-62/20	50/5	-	2.5 (3T)	60	520300505
MES-62/20	60/5	-	2.5 (2T)	60	520300605
MES-62/20	75/5	-	1.5	60	520300755
MES-62/20	80/5	-	2.5	60	520300805
MES-62/20	100/5	1.5	2.5	60	520301005
MES-62/20	150/5	2.5	3.75	60	520301505
MES-62/20	200/5	3.75	5	60	520302005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
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

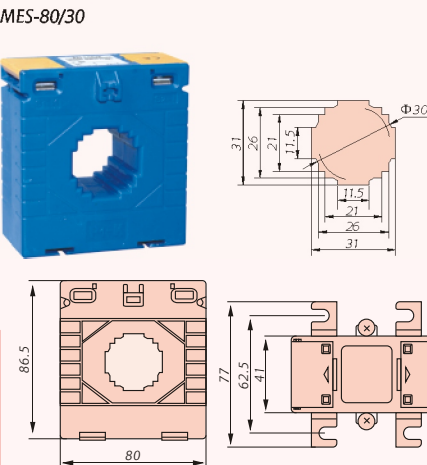


Note: Class/VA rating must be mentioned when ordering.



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

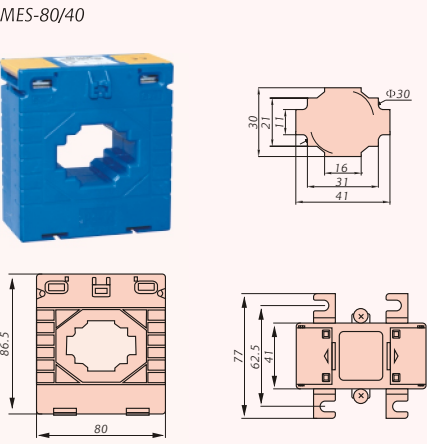
Note: Class/VA rating must be mentioned when ordering.



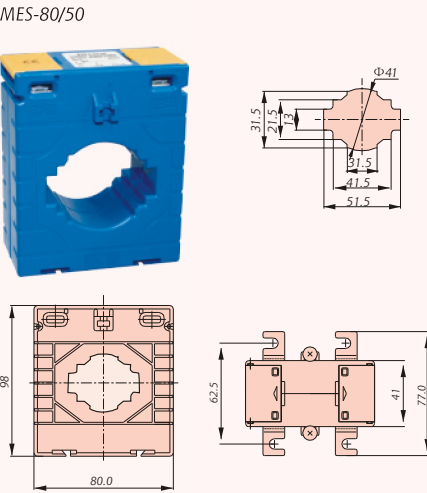
MES-80/30	30/5	-	2.5 (4T)	40	503000305
MES-80/30	50/5	-	2.5 (2T)	40	503000505
MES-80/30	60/5	-	2.5 (2T)	40	503000605
MES-80/30	75/5	-	1.5	40	503000755
MES-80/30	100/5	-	2.5	40	503001005
MES-80/30	150/5	2.5	3.75	40	503001505
MES-80/30	200/5	3.75	5	40	503002005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	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
	MES-80/40	500/5	5	10	40	504005005

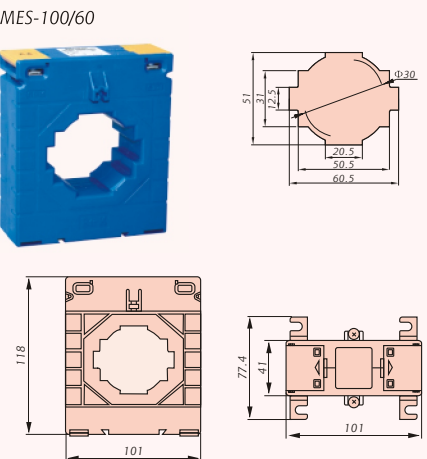


Note: Class/VA rating must be mentioned when ordering.



MES-80/50	250/5	3.75	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

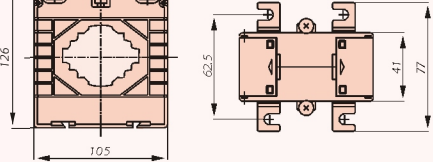
Note: Class/VA rating must be mentioned when ordering.



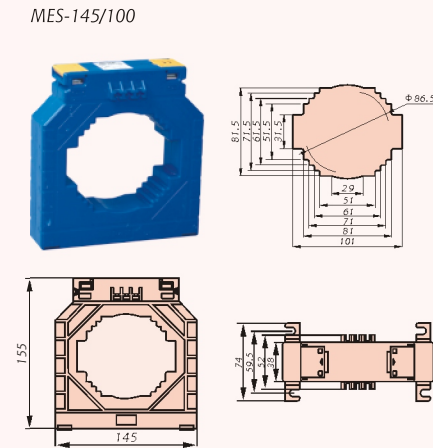
MES-100/60	400/5	3.75	5	32	506004005
MES-100/60	500/5	5	10	32	506005005
MES-100/60	600/5	10	15	32	506006005
MES-100/60	750/5	10	15	32	506007505
MES-100/60	800/5	10	15	32	506008005
MES-100/60	1000/5	10	20	32	506010005
MES-100/60	1200/5	15	20	32	506012005
MES-100/60	1500/5	15	20	32	506015005
MES-100/60	1600/5	15	20	32	506016005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
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



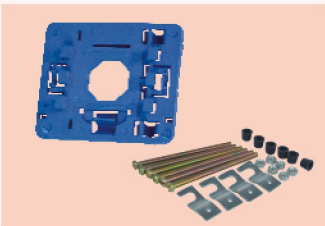
Note: Class/VA rating must be mentioned when ordering.



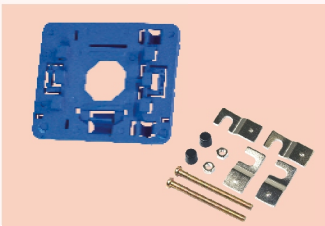
MES-145/100	800/5	10	15	30	510008005
MES-145/100	1000/5	15	20	30	510010005
MES-145/100	1200/5	15	20	30	510012005
MES-145/100	1250/5	15	20	30	510012505
MES-145/100	1500/5	15	20	30	510015005
MES-145/100	1600/5	15	20	30	510016005
MES-145/100	2000/5	15	25	30	510020005
MES-145/100	2500/5	15	25	30	510025005
MES-145/100	3000/5	15	25	30	510030005

Note: Class/VA rating must be mentioned when ordering.

● ACCESSORY



MES-100/80, MES-145/100



MES-62/B, MES-62/20,
MES-62/30, MES-62/40,
MES-80/30, MES-80/40,
MES-80/50, MES-100/60

● FEATURE

DS Series



DIN Rail Mounting
(through DIN Rail fixing kit)

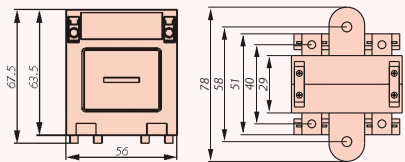


Secondary Terminals

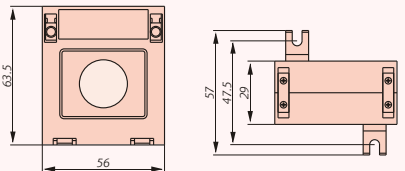
Casing Self-extinguishing Class VO

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
DS-56/B	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-56/B	200/5	1.5	3.75	120	720102005

Note: Class/VA rating must be mentioned when ordering.



DS-56/20

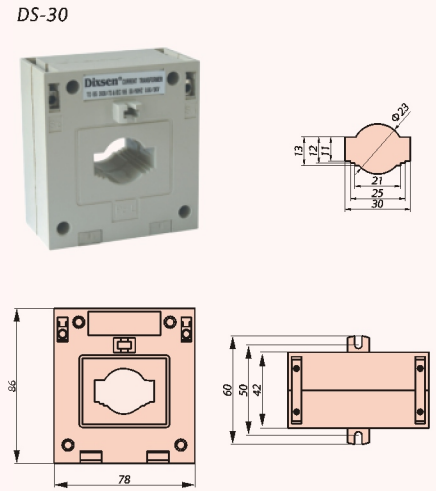
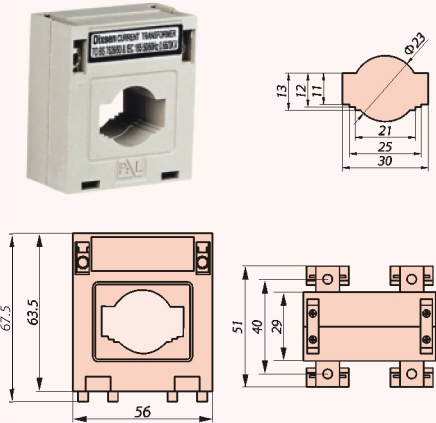


DS-56/20	50/5	-	1.5 (2T)	120	720300505
DS-56/20	60/5	-	1.5 (2T)	120	720300605
DS-56/20	75/5	-	1.5	120	720300755
DS-56/20	100/5	1.5	2.5	120	720301005
DS-56/20	150/5	1.5	2.5	120	720301505
DS-56/20	200/5	2.5	3.75	120	720302005

Note: Class/VA rating must be mentioned when ordering.

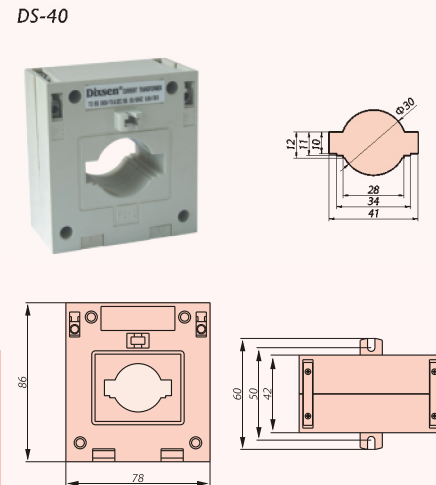
Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
DS-56/30	DS-56/30	50/5	-	1.5 (2T)	120	730300505
	DS-56/30	60/5	-	1.5 (2T)	120	730300605
	DS-56/30	75/5	-	1.5	120	730300755
	DS-56/30	100/5	-	2.5	120	730301005
	DS-56/30	150/5	1.5	2.5	120	730301505
	DS-56/30	200/5	2.5	3.75	120	730302005

Note: Class/VA rating must be mentioned when ordering.



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

Note: Class/VA rating must be mentioned when ordering.

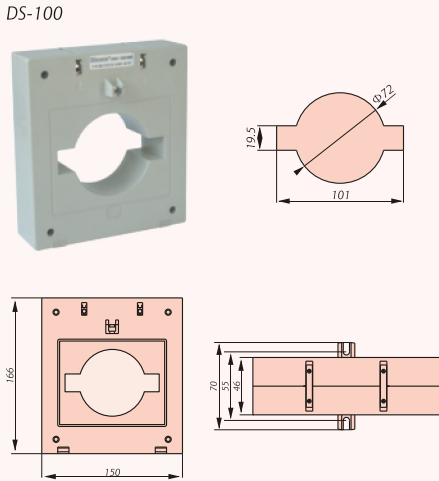
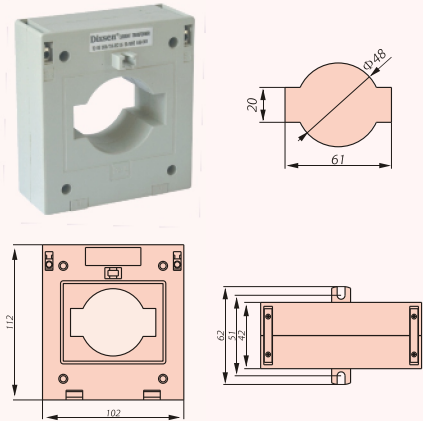


DS-40	150/5	1.5	3.75	40	704001505
DS-40	200/5	3.75	5	40	704002005
DS-40	250/5	3.75	5	40	704002505
DS-40	300/5	5	7.5	40	704003005
DS-40	400/5	5	10	40	704004005
DS-40	500/5	5	10	40	704005005
DS-40	600/5	5	10	40	704006005
DS-40	800/5	5	10	40	704008005

Note: Class/VA rating must be mentioned when ordering.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
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

Note: Class/VA rating must be mentioned when ordering.



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

Note: Class/VA rating must be mentioned when ordering.

• ACCESSORY



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



DS-30, DS-40



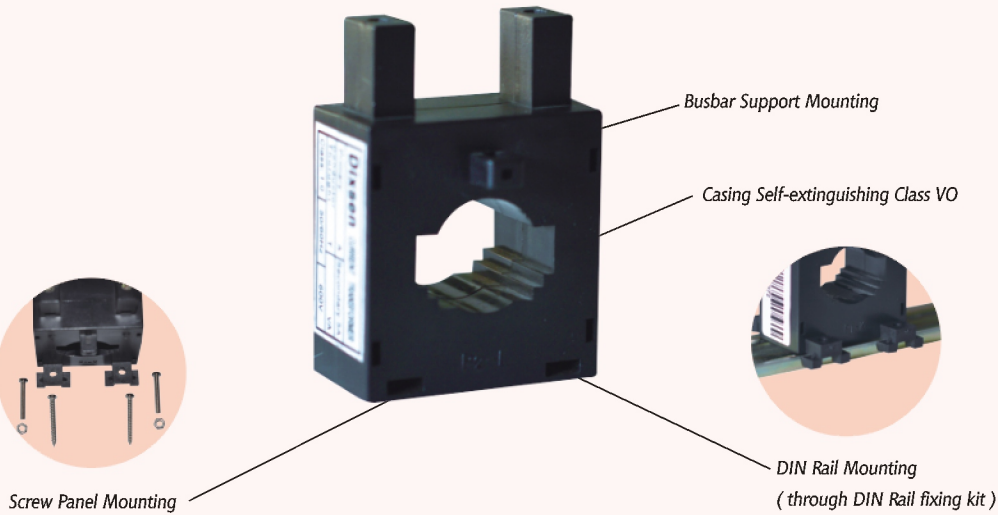
DS-60



DS-100

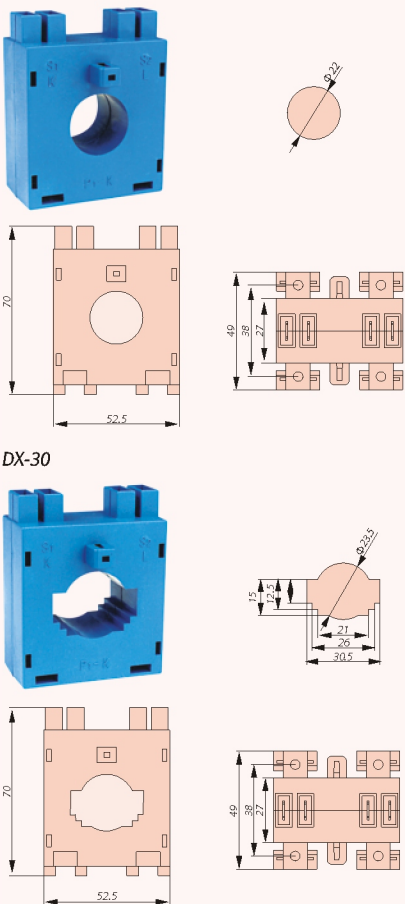
● FEATURE

DX Series



Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
DX-20	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

Note: Class/VA rating must be mentioned when ordering.

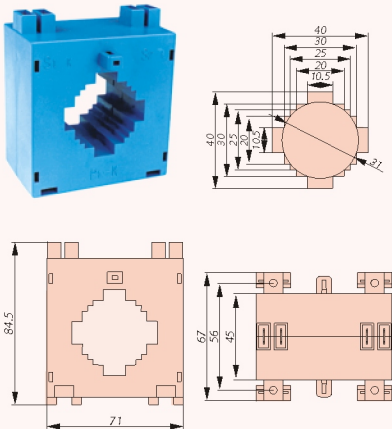


DX-30	100/5	1	2	100	830301005
DX-30	150/5	1.5	2.5	100	830301505
DX-30	200/5	2.5	3.75	100	830302005
DX-30	250/5	2.5	3.75	100	830302505
DX-30	300/5	2.5	3.75	100	830303005
DX-30	400/5	2.5	3.75	100	830304005
DX-30	500/5	2.5	3.75	100	830305005

Note: Class/VA rating must be mentioned when ordering.

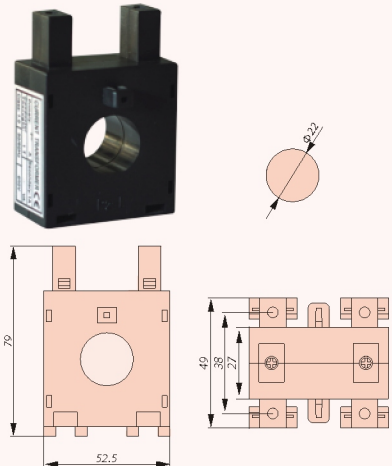
Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
DX-40	DX-40	150/5	1.5	2.5	40	840301505
	DX-40	200/5	2.5	3.75	40	840302005
	DX-40	250/5	3.75	5	40	840302505
	DX-40	300/5	5	7.5	40	840303005
	DX-40	400/5	5	7.5	40	840304005
	DX-40	500/5	5	7.5	40	840305005
	DX-40	600/5	5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

Note: Class/VA rating must be mentioned when ordering.



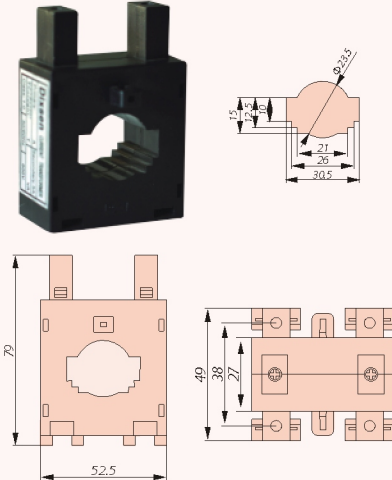
DX-20L	50/5	-	1.5 (2T)	100	820400505
DX-20L	60/5	-	1.5 (2T)	100	820400605
DX-20L	75/5	-	1.5	100	820400755
DX-20L	100/5	1.5	2.5	100	820401005
DX-20L	150/5	1.5	2.5	100	820401505

Note: Class/VA rating must be mentioned when ordering.



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

Note: Class/VA rating must be mentioned when ordering.

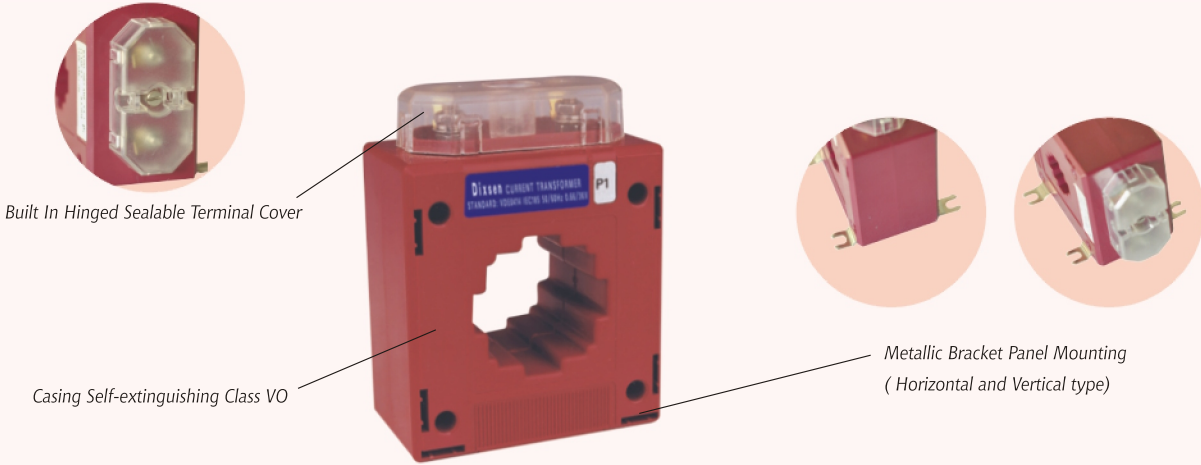


● ACCESSORY



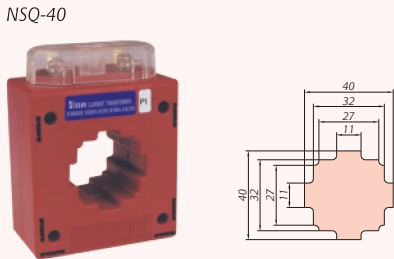
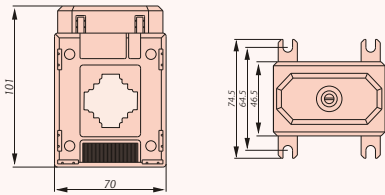
• FEATURE

NSQ Series



Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
NSQ-30	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

Note: Class/VA rating must be mentioned when ordering.



NSQ-40	100/5	1	1.5	40	410401005
NSQ-40	150/5	1.5	2.5	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

Note: Class/VA rating must be mentioned when ordering.

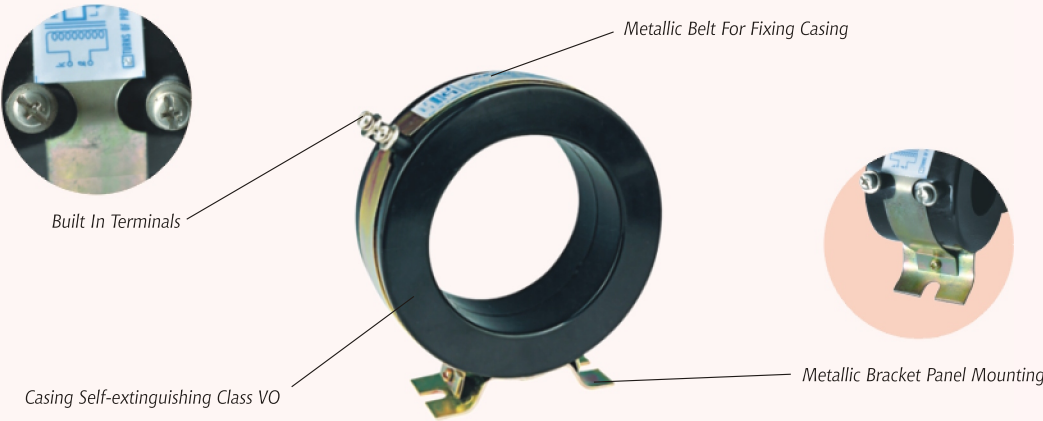
• ACCESSORY



NSQ-30/40

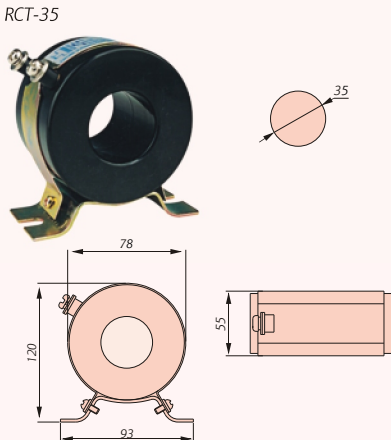
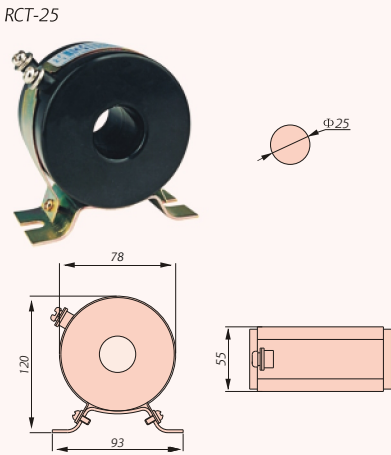
• FEATURE

RCT Series



Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class:0.5	Class:1.0		
RCT-25	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
	RCT-25	150/5	5	5	40	702501505

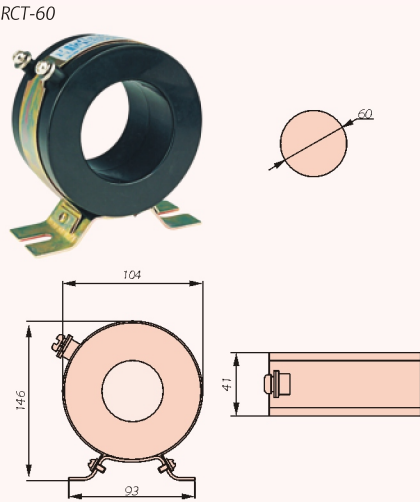
Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RCT-25.



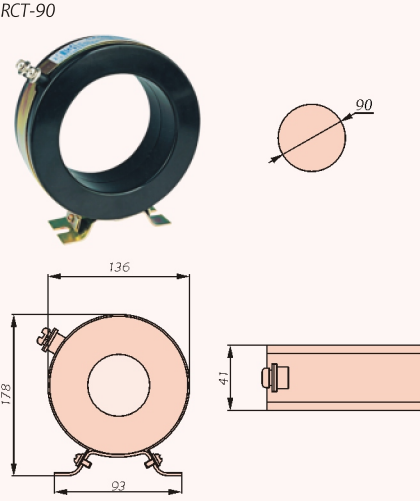
RCT-35	30/5	-	-	40	703500305
RCT-35	50/5	-	2.5 (2T)	40	703500505
RCT-35	60/5	-	2.5 (2T)	40	703500605
RCT-35	80/5	-	1.5	40	703500805
RCT-35	100/5	1.5	2.5	40	703501005
RCT-35	120/5	2.5	3.75	40	703501205
RCT-35	150/5	2.5	3.75	40	703501505
RCT-35	200/5	3.75	5	40	703502005
RCT-35	250/5	3.75	5	40	703502505
RCT-35	300/5	5	10	40	703503005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RCT-35.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
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

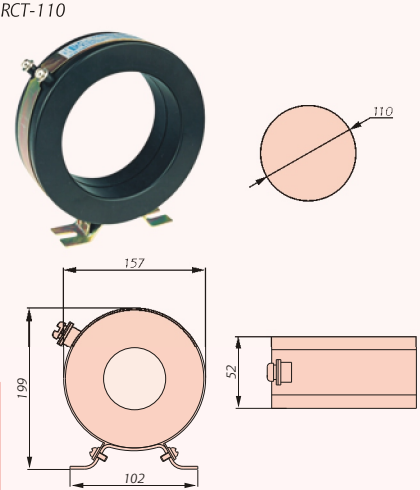


Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RCT-60.



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

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RCT-90.



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

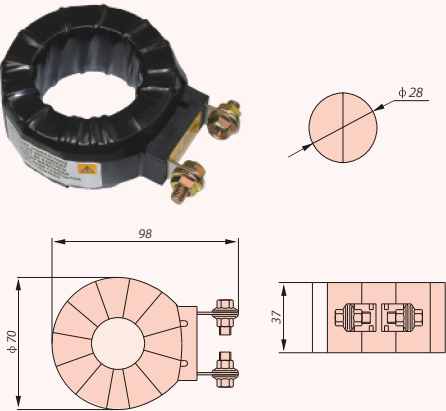
Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RCT-110.

FEATURE

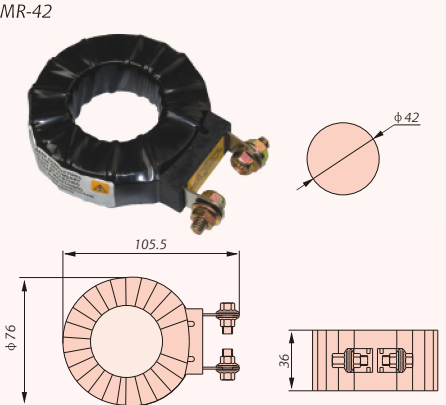
MR Series



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



Note: Class/VA rating must be mentioned when ordering.
There is no accessory for MR-28.



MR-42	100/5	1.5	2.5	50	804201005
MR-42	150/5	1.5	2.5	50	804201505
MR-42	200/5	2.5	5	50	804202005
MR-42	250/5	3.75	5	50	804202505
MR-42	300/5	3.75	5	50	804203005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for MR-42.

Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class:0.5	Class:1.0		
MR-45	MR-45	250/5	3.75	5	50	804502505
	MR-45	300/5	5	7.5	50	804503005
	MR-45	400/5	5	7.5	50	804504005
Note: Class/VA rating must be mentioned when ordering. There is no accessory for MR-45.						
MR-60	MR-60	300/5	3.75	5	54	806003005
	MR-60	400/5	5	7.5	32	806004005
	MR-60	500/5	5	10	40	806005005
	MR-60	600/5	7.5	10	40	806006005
	MR-60	800/5	7.5	10	54	806008005
Note: Class/VA rating must be mentioned when ordering. There is no accessory for MR-60.						
MR-85	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
Note: Class/VA rating must be mentioned when ordering. There is no accessory for MR-85.						
MR-125	MR-125	2000/5	15	20	10	812520005
	MR-125	2500/5	15	20	10	812525005
	MR-125	3000/5	15	20	10	812530005
	MR-125	4000/5	20	30	10	812540005
	MR-125	5000/5	20	30	10	812550005
Note: Class/VA rating must be mentioned when ordering. There is no accessory for MR-125.						

FEATURE

PR Series



High Grade PVC Taping For Insulation

Terminal Cover upon request

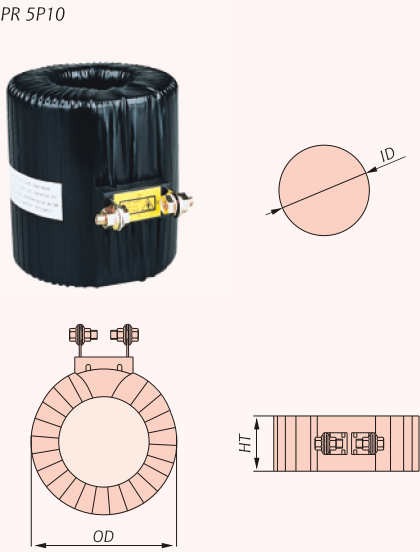
Protection CT

Ref.	Model	Ratio (A)	Burden (VA) 10P5	Dimension(mm)			Case Qty.(Pcs)	Item Code
PR 10P5	PR-34 10P5	60/5	15	34	100	148	24	910500605
	PR-34 10P5	100/5	15	34	100	98	20	910501005
	PR-34 10P5	150/5	15	34	100	68	20	910501505
	PR-34 10P5	200/5	15	34	100	58	16	910502005
	PR-45 10P5	250/5	15	45	96	68	16	910502505
	PR-45 10P5	300/5	15	45	96	58	16	910503005
	PR-60 10P5	400/5	15	60	100	58	16	910504005
	PR-60 10P5	500/5	15	60	100	48	16	910505005
	PR-65 10P5	600/5	15	65	100	48	12	910506005
	PR-85 10P5	800/5	15	85	120	38	12	910508005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for PR 10P5 model.

Ref.	Model	Ratio (A)	Burden (VA) 10P5	Dimension(mm)			Case Qty. (Pcs)	Item Code
				ID	OD	HT		
PR 10P10	PR-30 10P10	60/5	15	30	145	155	4	910100605
	PR-34 10P10	100/5	15	34	100	168	4	910101005
	PR-34 10P10	150/5	15	34	100	108	8	910101505
	PR-34 10P10	200/5	15	34	100	88	8	910102005
	PR-45 10P10	250/5	15	45	96	108	8	910102505
	PR-45 10P10	300/5	15	45	96	98	8	910103005
	PR-60 10P10	400/5	15	60	100	98	8	910104005
	PR-60 10P10	500/5	15	60	100	83	7	910105005
	PR-68 10P10	600/5	15	68	110	68	8	910106005
	PR-85 10P10	800/5	15	85	120	63	7	910108005
	PR-82 10P10	1000/5	15	82	123	55	8	910110005
	PR-82 10P10	1200/5	15	82	123	55	8	910112005
	PR-82 10P10	1600/5	15	82	123	45	8	910116005
	PR-125 10P10	2000/5	15	125	178	35	8	910120005
	PR-125 10P10	2500/5	15	125	178	35	8	910125005
	PR-120 10P10	3000/5	15	120	178	35	8	910130005
	PR-140 10P10	3500/5	15	140	200	35	8	910135005
	PR-140 10P10	4000/5	15	140	200	35	8	910140005
	PR-140 10P10	5000/5	15	140	200	35	8	910150005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for PR 10P10 model.



PR-30 5P10	60/5	15	30	145	165	8	951000605
PR-34 5P10	100/5	15	34	100	180	4	951001005
PR-34 5P10	150/5	15	34	100	130	8	951001505
PR-34 5P10	200/5	15	34	100	110	8	951002005
PR-45 5P10	250/5	15	45	96	110	8	951002505
PR-45 5P10	300/5	15	45	96	110	8	951003005
PR-60 5P10	400/5	15	45	96	90	8	951004005
PR-60 5P10	500/5	15	60	100	100	7	951005005
PR-68 5P10	600/5	15	68	110	78	8	951006005
PR-85 5P10	800/5	15	85	120	78	7	951008005
PR-82 5P10	1000/5	15	82	123	70	8	951010005
PR-82 5P10	1200/5	15	82	123	70	8	951012005
PR-82 5P10	1600/5	15	82	123	60	8	951016005
PR-125 5P10	2000/5	15	125	178	38	8	951020005
PR-125 5P10	2500/5	15	125	178	35	8	951025005
PR-120 5P10	3000/5	15	120	178	35	8	951030005
PR-140 5P10	3500/5	15	140	200	35	8	951035005
PR-140 5P10	4000/5	15	140	200	35	8	951040005
PR-140 5P10	5000/5	15	140	200	35	8	951050005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for PR 5P10 model.

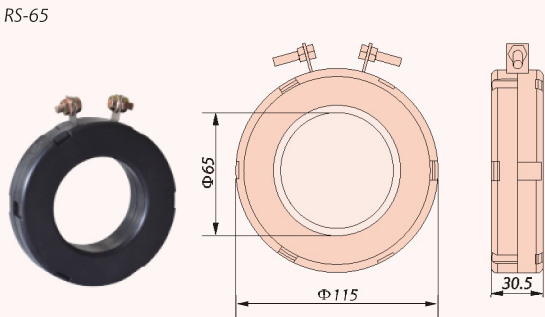
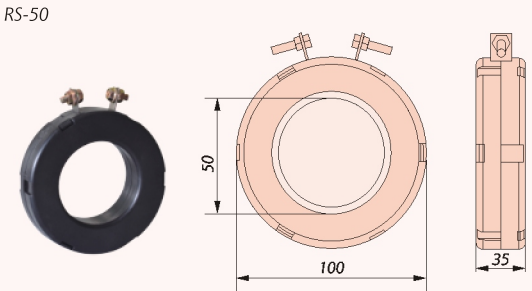
● FEATURE

RS Series



Ref.	Model	Ratio (A)	Burden(VA)		Case Qty. (Pcs)	Item Code
			Class: 1.0	Class: 0.5		
RS-50	RS-50	300/5	15	15	30	895003005
	RS-50	400/5	15	15	30	895004005
	RS-50	500/5	15	15	30	895005005
	RS-50	600/5	20	20	30	895006005
	RS-50	800/5	20	20	30	895008005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RS-50 model.

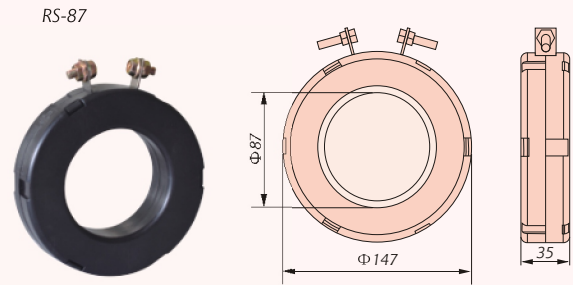


RS-65	500/5	15	15	30	896505005
RS-65	600/5	15	15	30	896506005
RS-65	800/5	15	15	30	896508005
RS-65	1000/5	15	15	30	896510005
RS-65	1500/5	15	15	30	896515005
RS-65	1600/5	15	15	30	896516005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RS-65 model.

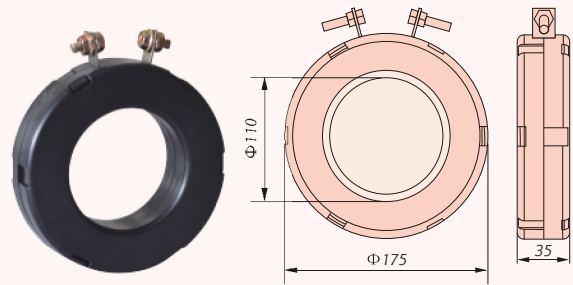
Ref.	Model	Ratio (A)	Burden(VA)		Case Qty.(Pcs)	Item Code
			Class: 1.0	Class: 0.5		
RS-87	RS-87	800/5	20	20	30	898708005
	RS-87	1000/5	20	20	30	898710005
	RS-87	1500/5	20	20	30	898715005
	RS-87	2000/5	20	20	30	898720005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RS-87 model.



RS-110	RS-110	1500/5	20	20	20	891115005
	RS-110	2000/5	20	20	20	891120005
	RS-110	2500/5	20	20	20	891125005
	RS-110	3000/5	30	30	20	891130005
	RS-110	3200/5	30	30	20	891132005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RS-110 model.



RS-140	RS-140	3000/5	30	30	20	891430005
	RS-140	3500/5	30	30	20	891435005
	RS-140	4000/5	30	30	20	891440005
	RS-140	5000/5	30	30	20	891450005

Note: Class/VA rating must be mentioned when ordering.
There is no accessory for RS-140 model.

