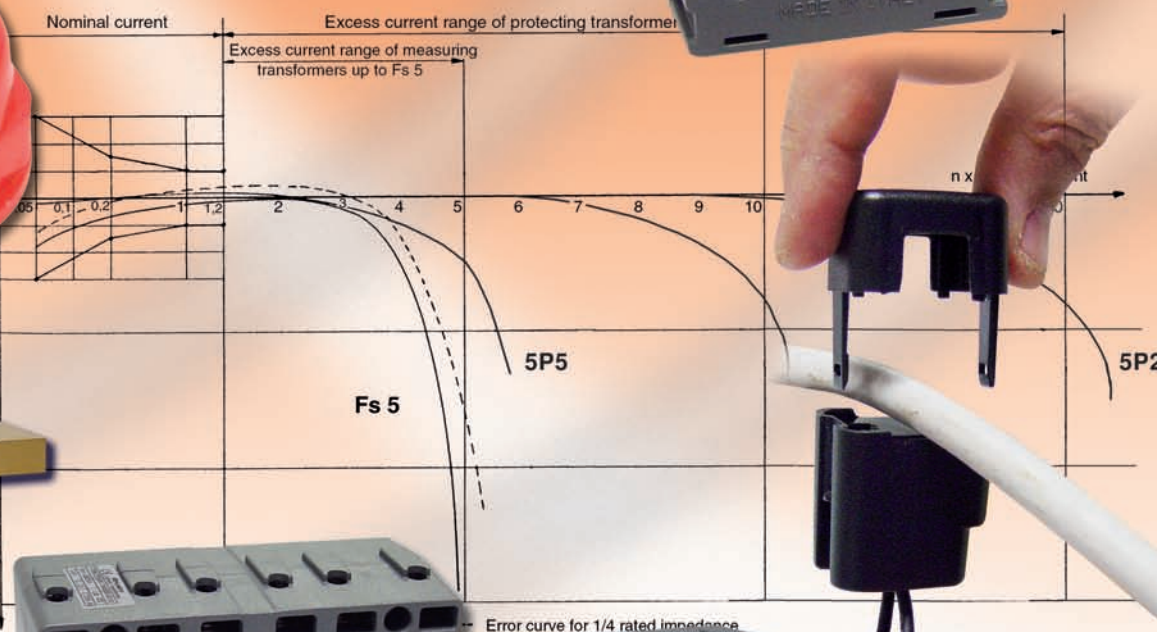
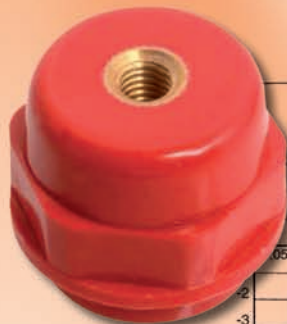
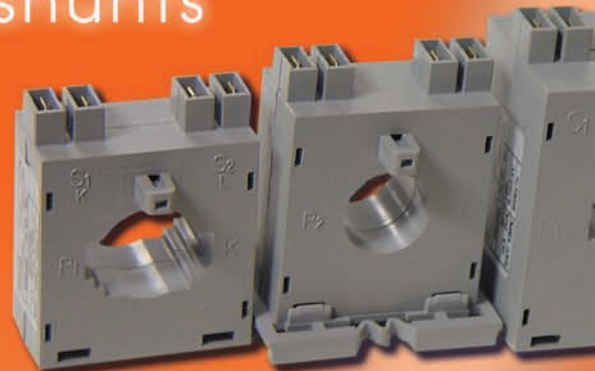


Revalco®

Made in Italy

low voltage transformers,
bar insulators and shunts



2011

LOW VOLTAGE TRANSFORMERS

SUMMARIZING TABLES	236
GENERAL DESCRIPTION	241
TECHNICAL SPECIFICATIONS	242
ACCESSORIES	243
CURRENT TRANSFORMERS - NANO SERIES	
Three phase	245
Single phase	245
MEASURING OR PROTECTON TRANSFORMERS RANGE	255
ADJUSTABLE CURRENT TRANSFORMERS	256
SPLIT CORE CURRENT TRANSFORMERS	256
PASSIVE SPLIT CURRENT SENSOR	259
OVERLOAD CURRENT TRANSFORMERS	259
SATURABLE TRANSFORMERS RANGE FOR THERMAL RELAYS	260
MINI SERIES - CURRENT TRANSFORMERS	262
SMALL SERIES - CURRENT TRANSFORMERS	264
STANDARDS SERIES - CURRENT TRANSFORMERS	270
PROTECTION CURRENT TRANSFORMERS	277
DUAL RATIO CURRENT TRANSFORMERS	284
4/20mA DC OUTPUT CURRENT TRANSFORMERS	287
0-20mA DC AND 10V DC OUTPUT CURRENT TRANSFORMERS	289
4/20mA DC OUTPUT CURRENT TRANSFORMERS EXTERNAL SUPPLY	292
TOROIDAL CURRENT TRANSFORMERS	294
“HALL” EFFECT - CURRENT TRANSFORMERS	295
SUMMATION CURRENT TRANSFORMERS	297
RATIO CORRECTING CURRENT TRANSFORMERS	298
CURRENT TRANSFORMERS FOR ELECTRONICS	299
VOLTAGE TRANSFORMERS	300

BAR INSULATORS

BAR INSULATORS	305
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SHUNTS

SHUNTS	305
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CURRENT TRANSFORMERS RANGE NANO SERIES - STANDARD CLASSES

THREE PHASE			SINGLE PHASE																			
TYPE	TCSN20T	TCSN35T	TCSNPDE1	TCSNPDI	TCSNPDE2	TCSNPDP2	TCSN22D	TCSN320D	TCSN3D	TCSN4D	TCSN4D3	TCSN432	TCSN5	TCSN35	TCSN54	TCSN6	TCSN65	TCSN622	TCSN645	TCSN8	TCSN832	
EXECUTION HORIZ. BAR CABLE VERTICAL BAR	Passing primary	Passing primary	Wound primary	Wound primary	Wound primary	Wound primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	Passing primary	
	3 x (35x10)	3 x (35x10)	15x3 (300A) 25x5 (400/500A)	15x3 included			20 mm	20 mm	30x10	40x10 30x10	30x10	20x10 30x10	50x20 50x10 40x20	35 mm	40x20 40x10	60x20 50x20	50x30	22 mm	50 mm	80x30 60x30		
	3 x (20 mm)	3 x (30 mm)										21 mm									32 mm	
	3 x (10x30)										10x20											
			</																			

[illegible]

TYPE	TAM 1D	TAM 3D	TAM 4D	TAM 5D	TAM 6
EXECUTION	Passing primary				
	CENTRAL SECTION HORIZ. BAR CABLE VERTICAL BAR	20 x 12 25 x 15 30 x 10	25 x 25 30 x 20 40 x 10	50 x 12	50x23 63x20
		21	23	30	2 x 22
				25 x 25 30 x 20 40 x 10	
Primary Current (A)	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class
40	0,5	1	3	0,5	1
50	1,3				
60	1,5				
75	1,5				
80	2				
100	2	1,5	3		
120	3	1,5	3		
125	3	1,5	3		
150	4	3	3		
200	3	3	4		
250	3	2	6	3	
300		2	6	4	5
400		3	10	4	6
500			10	6	6
600			10	6	6
800				10	10
1000				10	10
1200					15
1250					15
1500					20
2000					20
Height	65	65	81,5	81,5	106
Width	52	52	70	70	101
Depth	27	27	44	44	44
Interaxis min.					

CURRENT TRANSFORMERS RANGE - SMALL SERIES

STANDARD CLASSES

TYPE	TCS 08	TCS 012	TCS M15	TCS 13	TCS 16	TCS 18	TCS 25	TCS 26	TCS 32	TCS 33	TCS 64	TCS 647	TCS 126	TCS 200	TCS 65V	TCS 128V	TCS 168V
EXECUTION	Bolt M8	Bolt M12	2 DIN MODULES														
CENTRAL SECTION					15 x 5			min 25x5 max 25x6,5		min 29x5 max 2x32x5	min 30x5 max 2x63x5	min 30x30 max 3x50x5	min 120x10 max 3x120x10	min 120x10 max 3x120x10			
	○ CABLE		15	13	11	18	25		32								
								15 x 5 20 x 5		32 x 5	50x5 2x50x5 2x50x10 3x50x5	40 x 5 2 x 40 x 5 2 x 40 x 10 3 x 40 x 5	min 100x10 ÷ max 3x100x10	min 200x10 ÷ max 3x200x10	min 2x63x5 ÷ max 3x63x5	min 2x80x5 ÷ max 2x125x10	min 2x80x5 ÷ max 2x160x10
	VERTICAL BAR																
Primary Current (A)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)	Power (VA)
	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class
40	3	1	3	1	3	0,5	1	3	0,5	1	0,5	1	0,5	0,5	0,5	0,5	0,5
50	4		2	2		1,5											
60	5		3	3		3											
75	5		3	3	3	3											
80	5		3	3	3	5											
100	5		3	3	3	2,5	2,5	3	3	1,5							
120	5		5	5	5	3	3	5	3	1,5							
125	5		5	5	5	3	3	5	3	1,5							
150	5		5	5	5	3,5	3,5	5	3	2							
200	5	5				5	5	5	5	3	2	5			1		
250	10	10				5	6	5	5	3,75	5	5			1		
300	10	10				5	6	5	5	5	5	5			3		
400	10	10				5	10	5	6	3,5	5	5			5	5	
500	10	10							10	5	10	7,5			10	10	
600	10	10							10	5	10	7,5			10	10	
800											10	10			10	10	
1000											15	15			15	15	
1200											15	15			15	15	
1250											15	15			15	15	
1500											15	15			15	15	20
2000												15			20	20	20
2500													15		20	20	20
3000															30	20	20
4000															30	30	30
5000															30	30	30
6000															30	30	30
Dimensions	Height	90,5	85	58	58	90,5	90,5	72	90,5	90,5	116	116	207	290	119	200	237
	Width	56	35,5	34,5	34,5	56	56	44	56	56	87	87	172	272	70	130	130
	Depth	53,3	53,3	53,3	53,3	53,3	53,3	53,3	53,3	53,3	53,3	53,3	49	49	53,3	49	50
	Interaxis min.		35	27	27	45	45	35	45	45 - 35	70 - 50	70 - 50			45	75	75

SPECIAL CLASSES

TYPE	TCS 18	TCS 647	TCS 126	TCS 200
EXECUTION		Passing primary		
CENTRAL SECTION				
	○ CABLE	min 30x30 max 3x50x5	min 120x10 max 3x120x10	min 120x10 max 3x120x10
		18		
	VERTICAL BAR	40 x 5 2 x 40 x 5 2 x 40 x 10 3 x 40 x 5	min 100x10 ÷ max 3x100x10	min 200x10 ÷ max 3x200x10
Primary Current (A)	Power (VA)	Power (VA)	Power (VA)	Power (VA)
	Class	Class	Class	Class
40	0,25	0,25	0,25	0,25
50				
60				
75				
80				
100	1,5	1,5	1,5	1,5
120	1,5	1,5	1,5	1,5
125	1,5	1,5	1,5	1,5
150	1,5	1,5	1,5	1,5
200	1,5	1,5	1,5	1,5
250	1,5	1,5	1,5	1,5
300	1,5	1,5	1,5	1,5
400				
500				
600		3	3	3
800		3	3	3
1000		3	4	5
1200		4	5	6
1250		4	5	6
1500		4	5	8
2000				3
2500				5
3000				10
4000				20
5000				30
6000				40
Dimensions	Height	90,5	116	207
	Width	56	87	172
	Depth	53,3	53,3	49
	Interaxis min.	45	70 - 50	

CURRENT TRANSFORMERS RANGE - STANDARD SERIES

STANDARD CLASSES

TYPE	TAR PDE1	TAR PD E2	TAR PD1	TAR PD2	TAR 0	TAR 1D	TAR 3D	TAR 4D	TAR 4D3	TAR 5	TAR 6	TAR 8	TAR 12	TAR 8V	TAR 9V	TAR 12V
EXECUTION	Wound primary	Wound primary	Wound primary	Wound primary	Passing primary											
CENTRAL SECTION		15 x 3 rouled	25x3 25x5 rouled	20 x 3	20 x 10 30 x 10	25x20 30x25 40x10	30x30 40x25 - 50x20	30x10	50x20 60x20	60x30 80x30	80x50 100x50 125x50					
				15	20	32	30	25	50	2 x 30	2 x 35					
					20 x 10	20 x 25 30 x 20 40 x 10	30 x 10	30x10								
	Primary Current (A)	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class
	1	3	6	0.5	1	3	0.5	1	3	0.5	1	3	0.5	1	3	0.5
	5	3	6													
	10	3	6													
	15	3	6													
	20	3	6													
	25	3	6													
	30	3	6													
	40	3	6													
	50	3	6													
	60	3	6													
	80	3	6													
	100	3	6													
	125	3	6													
	150	3	6													
	200															
	250															
	300															
	400															
	500															
	600															
	750															
	800															
	1000															
	1200															
	1500															
	1600															
	2000															
	2500															
	3000															
	4000															
	Height	75	75	75	67	75	75	87	87	100	110	120	175	119	165	165
	Width	58	58	58	55	58	58	75	75	85	105	125	180	109	109	109
	Depth	44	44	44	35	44	44	44	44	45	61	61.5	68.5	41	41	41
Dimensions																

SPECIAL CLASSES

TYPE	TAR 3D	TAR 4D	TAR 4D3	TAR 5	TAR 6	TAR 8	TAR 12
EXECUTION	Passing primary						
CENTRAL SECTION		25x20 30x25 40x10	30x10	30x30 40x25 - 50x20	50x20 60x20	60x30 80x30	80x50 100x50 125x50
		32	25	30	50	2 x 30	2 x 50
		20 x 25 30 x 20 40 x 10	30 x 10	30 x 10			
	Primary Current (A)	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class	Power (VA) Class
	0.5S	0.2S 0.2 0.5S	0.2S 0.2 0.5S	0.2S 0.2 0.5S	0.2S 0.2 0.5S	0.2S 0.2 0.5S	0.2S 0.2 0.5S
	80						
	100						
	125						
	150						
	200						
	250						
	300						
	400						
	500						
	600						
	750						
	800						
	1000						
	1200						
	1500						
	1600						
	2000						
	2500						
	3000						
	4000						
	Height	75	87	100	110	120	175
	Width	58	75	85	105	125	180
	Depth	44	44	45	61	61.5	68.5
Dimensions							

GENERAL DESCRIPTION

APPLICATION

The CT makes it possible to measure high current values, and indicate, these using instruments of much lower ratings. Owing to the high costs of the cable, we recommend the use of a CT for current measurement above 40A (unless otherwise specified.)

THERMIC CURRENT (I_{th})

Is the highest primary current (effective value) that the CT can support for 1 second, without damage, owing to excessive overloads, with secondary short circuited.

DYNAMIC CURRENT (I_{dyn})

Is the highest primary current (peak value) that the CT can support for 1 second, without damage, owing to electromagnetic efforts, with secondary short circuited.

HIGHEST VOLTAGE LIMIT RANGE

Is the highest voltage (effective value) that the CT can support.

TEST VOLTAGE

Is the voltage that the CT can support (at industrial frequency, for the insulation reference) for 1 minute between primary and secondary.

SATURATION FACTOR(F_s) - SAFETY FACTOR(n)

Is the ratio between the primary current value that causes the magnetic core saturation and the primary nominal current value.

The lower is the "n" value, better the instrument is protected.

RATED BURDEN OF COPPER WIRES BETWEEN INSTRUMENT AND CT

Secondary of 5A

Section of cable mm ²	Power (two poles) VA					
	Distance					
	1 m	2 m	4 m	6 m	8 m	10 m
1,5	0,58	1,15	2,31	3,46	4,62	5,77
2,5	0,36	0,71	1,43	2,14	2,86	3,57
4	0,22	0,45	0,89	1,34	1,79	2,24
6	0,15	0,30	0,60	0,89	1,19	1,49
10	0,09	0,18	0,36	0,54	0,71	0,89

Secondary of 1A

Section of cable mm ²	Power (two poles) VA					
	Distance					
	10 m	20 m	40 m	60 m	80 m	100 m
1	0,36	0,71	1,43	2,14	2,85	3,57
1,5	0,23	0,46	0,92	1,39	1,85	2,31
2,5	0,14	0,29	0,57	0,86	1,14	1,43
4	0,09	0,18	0,36	0,54	0,71	0,89
6	0,06	0,12	0,24	0,36	0,48	0,60
10	0,04	0,07	0,14	0,21	0,29	0,36

LOAD ON COPPER BARS

according DIN 43670 and 43671 standards

Bar dimension mm	Nominal current (In) A		
	1 bar	2 bars	3 bars
20x5	325	560	
20x10	427	925	1180
30x5	379	672	896
30x10	573	1060	1480
40x5	482	836	1090
40x10	715	1290	1770
50x10	852	1510	2040
60x10	985	1720	2300
80x10	1240	2110	2790
100x10	1490	2480	3260

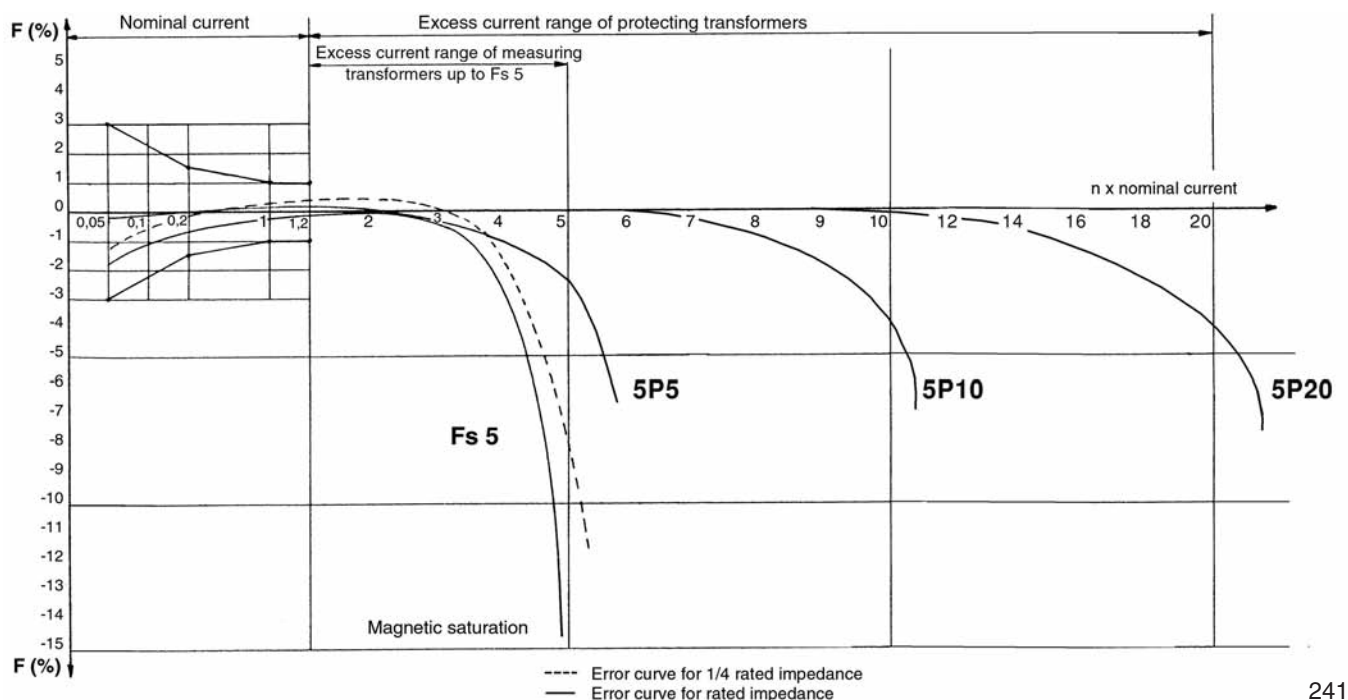
ACCURACY CLASS

- Accuracy class 0,5 for kWh-meters
- Accuracy class 1 for measurement and non tariff kWh-meters
- Accuracy class 3 for relays and protection

The current and the angle errors according IEC 185, VDE-0414 and UNE-21028 standards, are as follows:

Class	Ratio error limits in %				Class	Angle error limits in %			
	0,05 In	0,2 In	In	1,2 In		0,05 In	0,2 In	In	1,2 In
0,5	± 1	± 0,75	± 0,5	± 0,5	0,5	± 1,8	± 1,35	± 0,9	± 0,9
1	± 2	± 1,5	± 1	± 1	1	± 3,6	± 2,7	± 1,8	± 1,8
3	from 0,5 In to 1,2 In = ± 3				3	no prescription			

ERRORS CURVE



TECHNICAL SPECIFICATIONS

- Case in ABS -V0 resin
 - Secondary current: 5A standard (other secondary rating on request)
 - Maximum service voltage for insulation: 1,2 kV (0,72 kV for mini series and TCS13 - 16 - 18 - 25 - 26 - 32 - 33)
 - Testing voltage: 6 kV at 50 Hz for 1 minute (3 kV for mini series and TCS13 - 16 - 18 - 25 - 26 - 32 - 33)
 - Nominal thermic short circuit current: (I_{th}): 60 IpN for 1 second (40 IpN for types TARPDP / TARPDE)
 - Nominal dynamic short circuit current: (I_{din}): 2,5 I_{th} for 1 second
 - Permanent overloading: 120% I_{cth}
 - Safety factor(F_s): from ≤ 2 to ≤ 15 following the types and the range
 - Normal functioning frequency: 50/60 Hz
 - Construction according to the CEI EN 60044-1 (38-1)
 - Insulation in air, Class E (IEC 185) for models TAR
 - Terminals: primary P1 - P2 (K - L) secondary s1 - s2 (k - l) For double ratio on secondary: s1 - s2 = low value
 P1 (K) primary winding input P2 (L) primary winding output s1 - s3 = high value
 s1 (k) secondary winding input s2 (l) secondary winding output Material: Brass (CuZn37).
- The screws M4x6 have: torsion value= 1,9 Nm, traction value = 440 N/mm² and elasticity limit = 340 N/mm²
- Degree of protection: IP30
 - Conditions when used: Ambient temperature -20°C ÷ +40°C, for types TARPDP1 and TCS33; -20°C ÷ +50°C for all other types
 Maximum temperature on the bars 70°C, Storage temperature -40°C ÷ +80°C, Relative humidity 80%
- !

 - During the installation make sure of the exact input direction (P1 - K) and output (P2 - L) of the primary cable.
 - In the case of the types with primary and secondary cables on terminals, do not invert the connection of the primary cable with the secondary one.
 - If is necessary to disconnect the measuring instruments from the CT while operating it is necessary to make a short circuit between the two terminals of the secondary on the CT.
 - It is recommended to ground the CTs

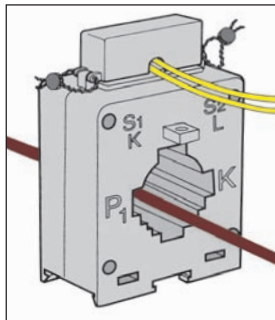
ALTERNATIVE OPTIONS

- Secondary current 1A
- Other ratios and/or performances
- Tropicalisation
- Transformers with class 0,2 - 0,2S - 0,5S
- Internal or calibration certifications

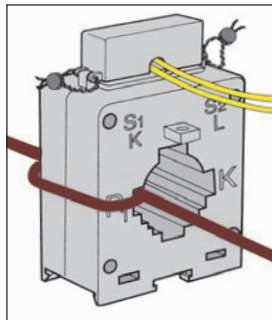
HOW THE DIAMETER OF A CABLE IS CALCULATED

In order to calculate the diameter of a 95 mm², it is necessary to refer to the following formule:
 Section = $r \times r \times 3,14$ that is $r^2 \times 3,14$ from which $r = \sqrt{\text{section} / 3,14}$ $r = \sqrt{95 / 3,14} = \sqrt{30,25} = 5,5$ mm and therefore the radius is 5,5 mm
 Diameter = $r + r$ and therefore Diameter 5,5 + 5,5 mm = 11 mm
 (diameter of the only leg to which is added the diameter of the insulating material, Ø total diameter of about 20 mm)

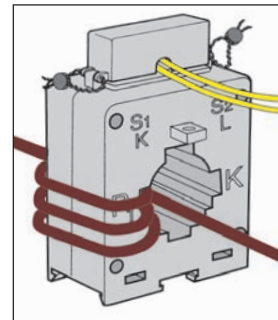
By looping the cable through the current transformers, the primary current is halved, without effecting the performance or class. EXAMPLE :



TAR 4D 200/5A
normal



becomes 100/5A
with 2 loops

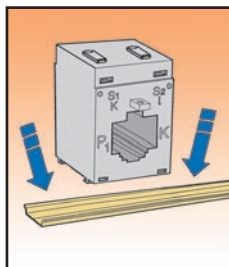


becomes 50/5A
with 4 loops

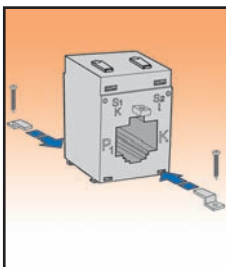
FIXING SYSTEMS

NANO SERIES

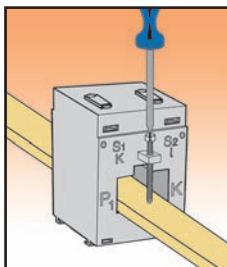
ON DIN RAIL



BASE MOUNTED WITH FEET

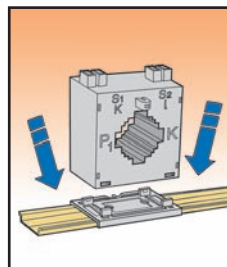


TO CABLE OR BUS BAR

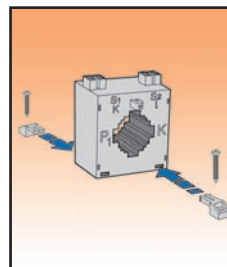


MINI SERIES

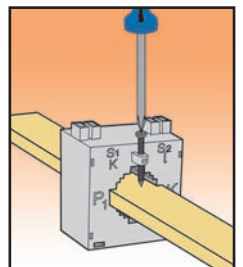
ON DIN RAIL



BASE MOUNTED WITH FEET

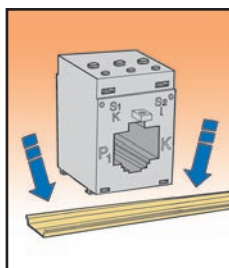


TO CABLE OR BUS BAR

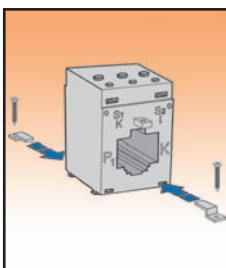


SMALL SERIES

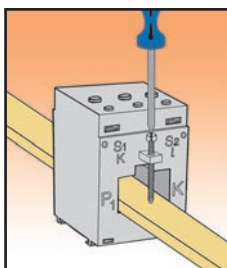
ON DIN RAIL



BASE MOUNTED WITH FEET

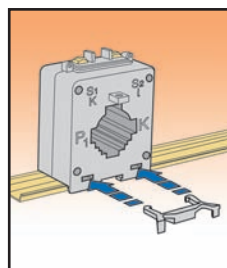


TO CABLE OR BUS BAR

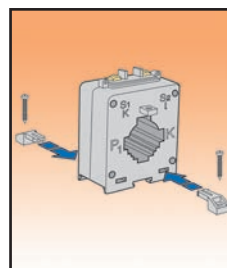


STANDARD SERIES

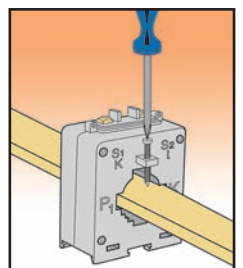
ON DIN RAIL



BASE MOUNTED WITH FEET



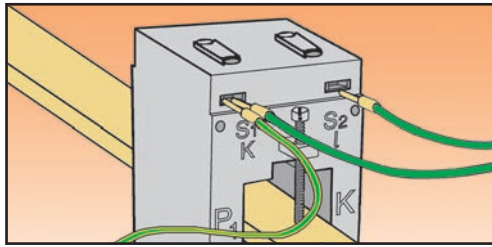
TO CABLE OR BUS BAR



WIRES CONNECTION

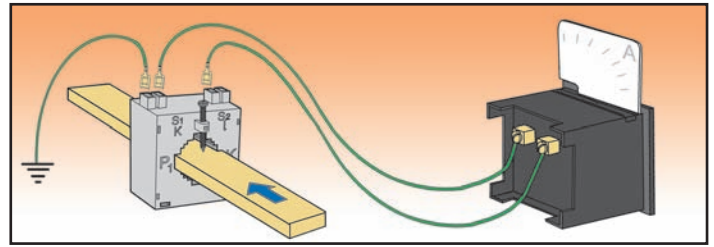
NANO SERIES

WITH METAL POINT CABLE TERMINAL



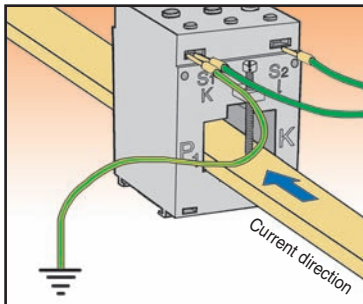
MINI SERIES

WITH FAST-ON (6,3 mm)

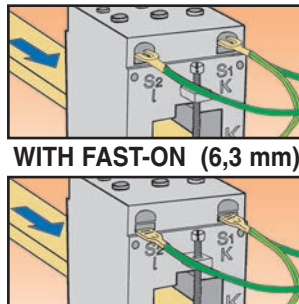


SMALL SERIES

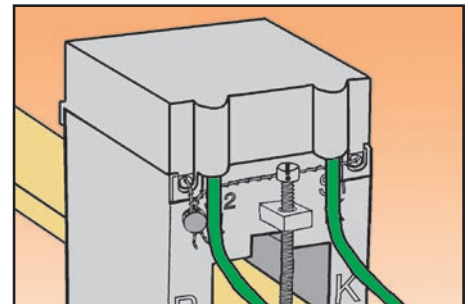
METAL POINT CABLE TERMINAL



METAL FORK CABLE TERMINAL

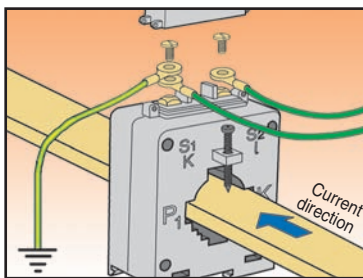


FIXING OF TERMINALS COVER AND LEAD SEAL

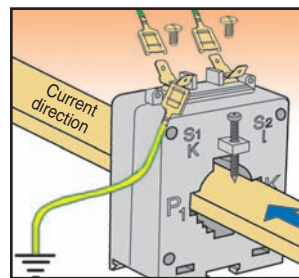


STANDARD SERIES

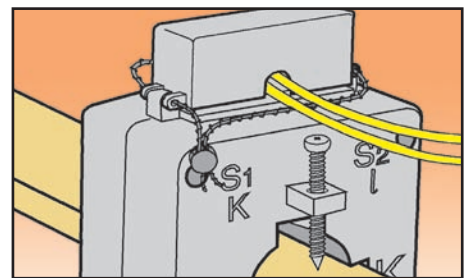
METAL FORK CABLE TERMINAL



WITH FAST-ON (6,3 mm)



FIXING OF TERMINALS COVER AND LEAD SEAL



ACCESSORIES FOR ALL MODELS

1ASCT1 (ASCT FOR NANO SERIES)

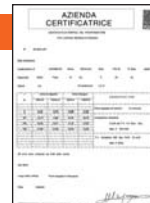
ELECTRONIC PROTECTION (PATENTED)

S.C.T.
SECURITY
CURRENT
TRANSFORMER

- For measuring CT secondary current 1A this protection is available for burdens up to 20VA maximum
- For measuring CT secondary current 5A this protection is available for burdens up to 100VA maximum
- For protection CT ask in factory before ordering
- Electronic circuit for automatic protection against dangers caused by the deconnections of secondary terminals of current transformers (open circuit). It automatically makes a short circuit on the secondary winding in case of accidental loss of load. Residual voltage on terminals remains lower than 25V RMS (safety limit valid on all uses - PELV SELV FELV).
- In standard use, if nominal voltage is not higher than 25V in AC and 60V in DC, the system grants the double protection against direct and indirect contacts.
- The intervention is instantaneous and the voltage on the secondary terminals of current transformers in limited up to 25V RMS; when the normal working conditions will be restored the electronic circuit stops its action and its influence to the current transformers stops also. Completely static it is composed by few essential components assuring long time duration.
- Standards: IEC60364; IEC473.1.4; IEC556.3 / CEI64-8-4; CEI411.1.4.3; CEI411.5.2 - CEI411.2 - CEI473.1.4 - CEI473.2.3
- Characteristics: reduced installation costs; possibility to take out the connected device without precautions or safety risks; the electronic circuit is self supplied by the secondary terminals in case of load loss only; in standard and nominal working conditions the device doesn't influence the correct function of current transformers
- Applications: where it is necessary to increase the safety coefficient; places with fire risk, explosion risk, high humidity level, hospitals; mines and quarries; naval use; military use; electrical situation on which not qualified people is present; modular boards with high safety level; low or extremely low voltage applications
- Intervention on positive and negative semi waves.



- Revalco is able to supply the certification of the measuring groups in case the Customs Technical Department requests it. The certification of the whole plant is to be requested at the competent UTF offices of the area.
- In case of a measuring group with three systems composed of 3 current transformers and one meter, 5 inspection certificates are necessary. When the measuring group to be inspected is a 2 system, 4 certificates are requested as the interested CT are only two.



FOR SMALL SERIES

ATCS1C / ATCS2C SEALABLE TERMINALS COVER



- ATCS1C:** Sealable terminals cover for TCS13, TCS16, TCS26, TCS126, TCS200, TCS126V, TCS166V
- ATCS2C:** Sealable terminals cover for TCS08, TCS012, TCS18, TCS25, TCS32, TCS33, TCS64, TCS647, TCS65V

FOR NANO SERIES

ATCS3C SEALABLE TERMINALS COVER



- Transparent sealable terminals cover

ASATCSN



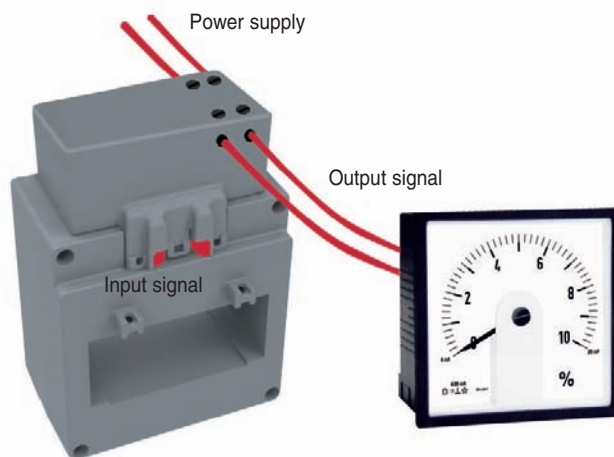
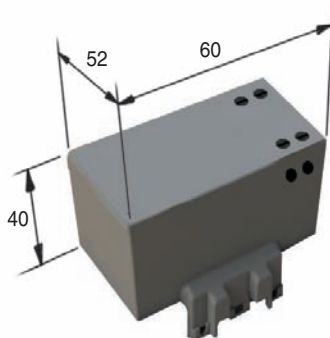
FIXING COMPONENTS

- Socket composed by 2 feet (for wall fixing) and 2 plastic screws (for busbar fixing)
- Available up to code TCSN6

COR-TCSN...

CURRENT TRANSUCERS

- Class 1 (total class is made by the sum of the CT and accessory's class)
- Response time 500ms
- Resistive load 300ohm max (>10kohm for model TCSN510-TCSN110)



Standard range	COR-TCSN 510	COR-TCSN 110	COR-TCSN 520	COR-TCSN 120
Input 5A AC output 10VDC	•			
input 1A AC output 10VDC		•		
input 5A AC output 20mADC			•	
input 1A AC output 20mADC				•

Self-supplied range	COR-TCSN 5420	COR-TCSN 1420
Input 5A AC output 4/20mADC	•	
input 1A AC output 4/20mADC		•

External auxiliary supply range	COR-TCSN 5420-230	COR-TCSN 1420-230	COR-TCSN 5420-24C	COR-TCSN 1420-24C	COR-TCSN 5420-P1	COR-TCSN 1420-P1	COR-TCSN 5420-P2	COR-TCSN 1420-P2
Input 5A AC output 4/20mADC supply 230VAC	•							
Input 1A AC output 4/20mADC supply 230VAC		•						
Input 5A AC output 4/20mADC supply 24VDC			•					
Input 1A AC output 4/20mADC supply 24VDC				•				
Input 5A AC output 4/20mADC supply 22...36VAC and 19...70VDC					•			
Input 1A AC output 4/20mADC supply 22...36VAC and 19...70VDC						•		
Input 5A AC output 4/20mADC supply 44...130VAC and 70...240VDC							•	
Input 1A AC output 4/20mADC supply 44...130VAC and 70...240VDC								•

FOR SPLIT CORE SERIES (TCSA... only)

ATCSASIG



- Accessory to seal the screws

ABASETCSA



- Base for wall mounting

ACENT40 - ACENT60



- Accessory for cables centering ACENT40 for model TCSA40 ACENT60 for model TCSA60

ATCS3C



- Transparent sealable terminals cover

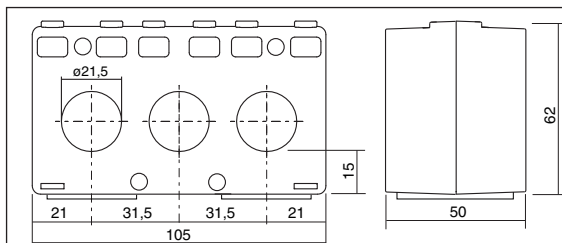
NANO SERIES - CURRENT TRANSFORMERS

- Fixing system: to wall or to DIN rail by an accessory; directly to cable by screws
- Secondary current 1A on request**
- Sealable terminal covers on request (not for three phase models)
- In case of boxes resistant to high temperatures (250°C) add suffix ...RT to the standard code (material used is VAMPAMID 66 2530 VO P60)**

- The double terminal entry allows short circuit links to be fitted when it is necessary to disconnect the measuring instrument from the transformer without damage to the CT, or for easier termination to ground of the CT
- Different characteristics on request

THREE PHASE

TCSN20T

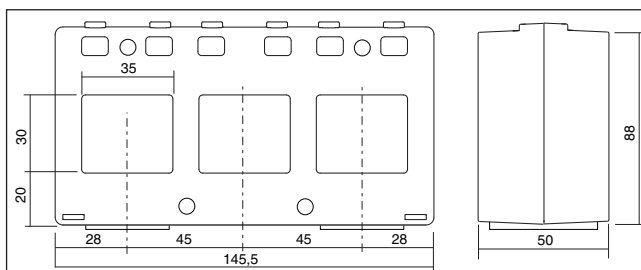
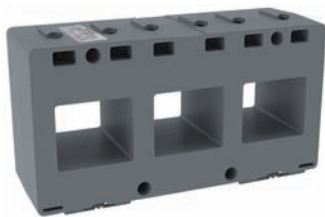


Primary passing transformer, 3 wires 20mm each

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
60	0,40					TCSN20T 60A	1
75						TCSN20T 75A	1
80						TCSN20T 80A	1
100						TCSN20T 100A	1,5
120						TCSN20T 120A	1,5

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
125	0,40	TCSN20T 200A TCSN20T 250A	2 3	TCSN20T 150A	2	TCSN20T 125A	1,5
150							
200							
250							

TCSN35T



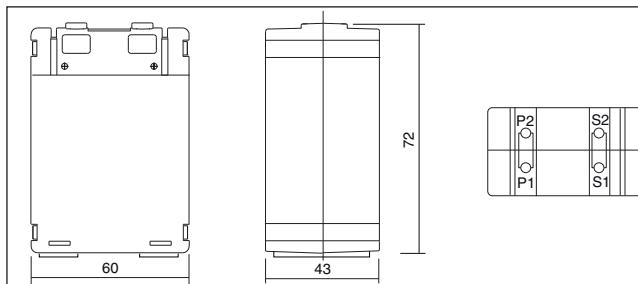
Primary passing transformer, 3 wires 30mm each or 3 bars 35x10 mm

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
300		TCSN35T 300A	3				
400		TCSN35T 400A	4				

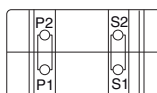
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN35T 500A	5				
600		TCSN35T 600A	6				

SINGLE PHASE

TCSNPDE1



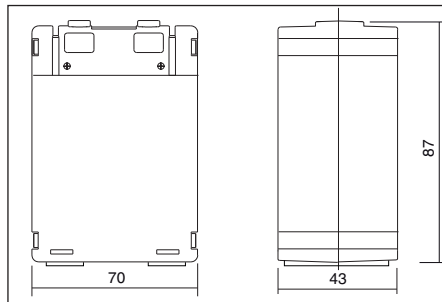
Transformer with wound primary cable, primary and secondary currents on the terminals



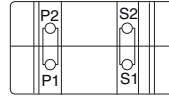
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1				TCSNPDE1 1A	3		
5				TCSNPDE1 5A	3		
10				TCSNPDE1 10A	3		
15				TCSNPDE1 15A	3		

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
20				TCSNPDE1 20A	3		
25				TCSNPDE1 25A	3		
30				TCSNPDE1 30A	3		
40				TCSNPDE1 40A	3		

TCSNPD1



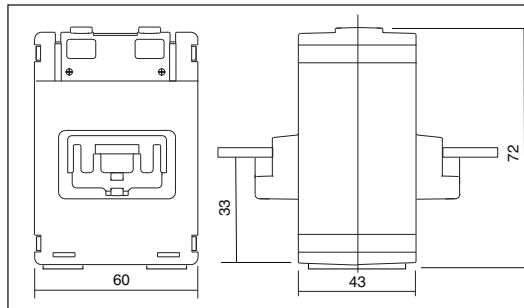
Transformer with wound primary cable, primary and secondary currents on the terminals



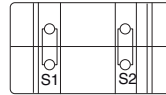
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1		TCSNPD1 1A	6				
5		TCSNPD1 5A	6				
10		TCSNPD1 10A	6				
15		TCSNPD1 15A	6				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
20		TCSNPD1 20A	6				
25		TCSNPD1 25A	6				
30		TCSNPD1 30A	6				
40		TCSNPD1 40A	6				

TCSNPDE2



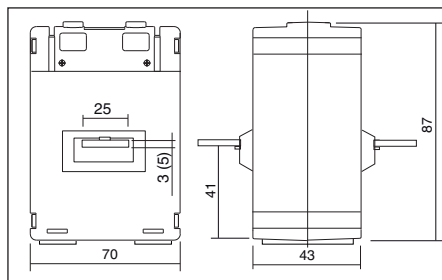
Primary winding transformer. Primary current by incorporated central bar 15x3 mm, secondary current on terminals



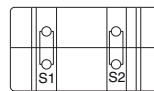
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
50				TCSNPDE2 50A	3		
60				TCSNPDE2 60A	3		
75				TCSNPDE2 75A	3		
80				TCSNPDE2 80A	3		
100				TCSNPDE2 100A	3		

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
120				TCSNPD 120A	3		
125				TCSNPD 125A	3		
150				TCSNPD 150A	3		
200				TCSNPD 200A	3		

TCSNPD2



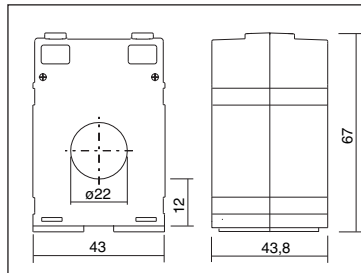
Primary winding transformer. Primary current by incorporated central bar 25x3 mm up to 300A, 25x5 mm; from 400 to 500A secondary current on terminals



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
50	0,5	TCSNPD2 50A	6				
60		TCSNPD2 60A	6				
75		TCSNPD2 75A	6				
80		TCSNPD2 80A	6				
100		TCSNPD2 100A	6				
125		TCSNPD2 125A	6				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
150	0,5	TCSNPD2 150A	6				
200		TCSNPD2 200A	6				
250		TCSNPD2 250A	6				
300		TCSNPD2 300A	6				
400		TCSNPD2 400A	6				
500		TCSNPD2 500A	6				

TCSN22D

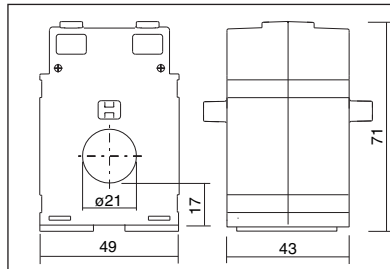


Transformer suitable for primary current by cable with maximum diameter 22 mm

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,23			TCSN22D 50A	1	TCSN22D 40A	1,2
50				TCSN22D 60A	1		
60				TCSN22D 75A	1		
75				TCSN22D 80A	1,5		
80				TCSN22D 100A	2		
100							

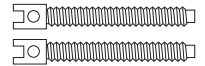
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
120	0,23			TCSN22D 120A	2		
125				TCSN22D 125A	3		
150							
200							
250							
300							

TCSN320D



Transformer suitable for primary current by cable with maximum diameter 20 mm

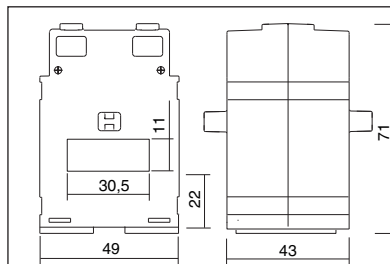
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40				TCSN320D 50A	1,5	TCSN320D 40A	2
50				TCSN320D 60A	1,5		
60				TCSN320D 75A	1,5		
75				TCSN320D 80A	2		
80				TCSN320D 100A	3		
100							

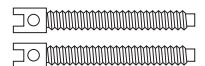
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
120				TCSN320D 120A	3		
125				TCSN320D 125A	3		
150							
200							
250							
300							

TCSN3D



Transformer suitable for primary current by horizontal bar 30x10 mm

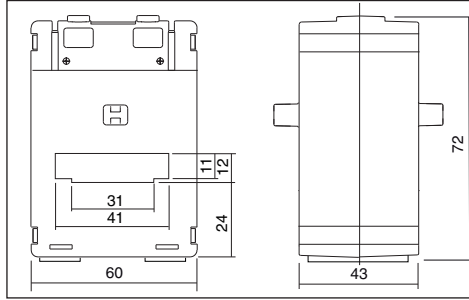
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
50						TCSN3D 50A	2
60						TCSN3D 60A	2
75						TCSN3D 75A	3
80						TCSN3D 80A	3
100				TCSN3D 100A	2		
120				TCSN3D 120A	2,5		
125				TCSN3D 125A	3		

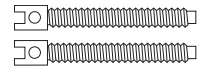
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
150							
200							
250							
300							
400							
500							
600							

TCSN4D



Transformer suitable for primary current by horizontal bar 30x10 and 40x10 mm

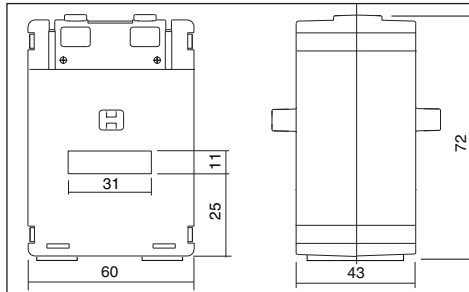
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
150				TCSN4D 150A	3		
200		TCSN4D 200A	2,5				
250		TCSN4D 250A	2,5				
300		TCSN4D 300A	2,5				
400		TCSN4D 400A	2,5				

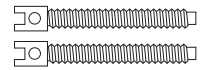
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN4D 500A	6				
600		TCSN4D 600A	6				
750		TCSN4D 750A	6				
800		TCSN4D 800A	6				

TCSN4D3



Transformer suitable for primary current by horizontal bar 30x10 mm

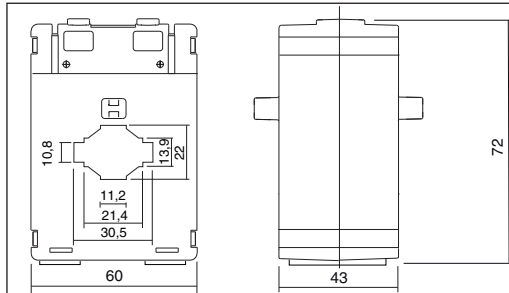
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40				TCSN4D3 40A	1,5		
50				TCSN4D3 50A	2		
60				TCSN4D3 60A	3		
75				TCSN4D3 75A	4		
80				TCSN4D3 80A	4		
100				TCSN4D3 100A	3		
120		TCSN4D3 120A	3				
125		TCSN4D3 125A	3				

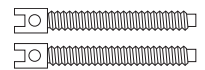
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
150		TCSN4D3 150A	3				
200		TCSN4D3 200A	5				
250		TCSN4D3 250A	8				
300		TCSN4D3 300A	10				
400		TCSN4D3 400A	10				
500		TCSN4D3 500A	10				
600		TCSN4D3 600A	10				

TCSN432



Transformer suitable for primary current by cable with maximum diameter 21 mm or by horizontal bar 20x10 - 30x10 mm and vertical bar 20x10 mm

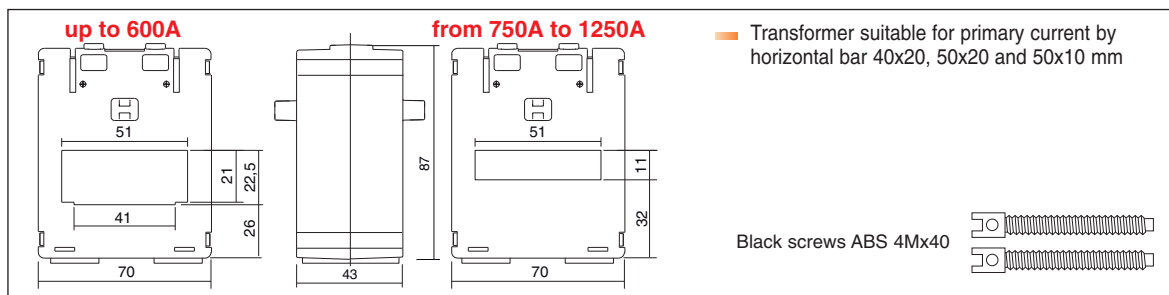
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
50						TCSN432 50A	2
60						TCSN432 60A	2
80						TCSN432 80A	3
100	0,3			TCSN432 100A	2,5		
125		TCSN432 125A	2,5				
150		TCSN432 150A	3				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200		TCSN432 200A	3				
250		TCSN432 250A	5				
300		TCSN432 300A	5				
400	0,3	TCSN432 400A	6				
500		TCSN432 500A	6				
600		TCSN432 600A	6				

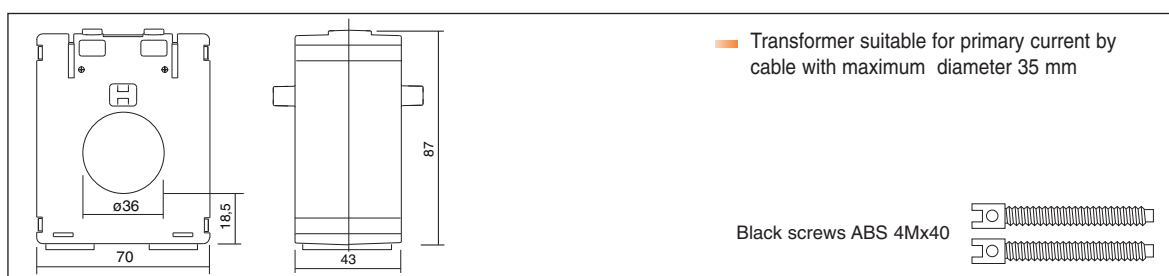
TCSN5



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200		TCSN5 200A	2,5				
250		TCSN5 250A	3				
300		TCSN5 300A	4				
400		TCSN5 400A	6				
500		TCSN5 500A	10				
600		TCSN5 600A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
750		TCSN5 750A	10				
800		TCSN5 800A	10				
1000		TCSN5 1k0A	10				
1200		TCSN5 1k2A	10				
1250		TCSN5 1k25A	10				

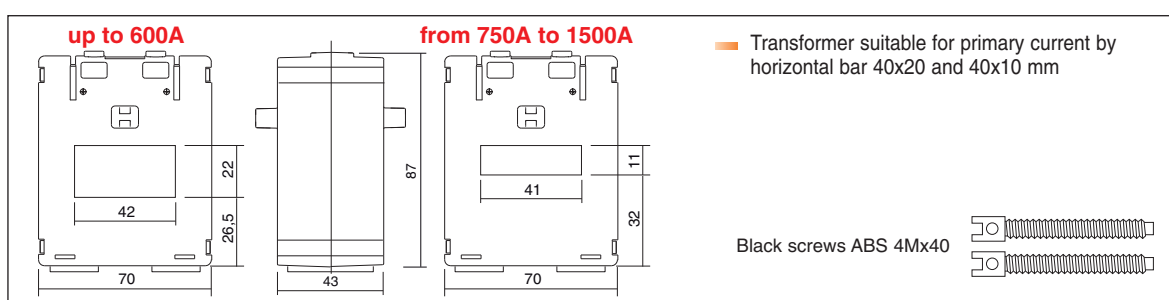
TCSN535



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
300		TCSN535 300A	6				
400		TCSN535 400A	6				
500		TCSN535 500A	10				
600		TCSN535 600A	10				
750		TCSN535 750A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
800		TCSN535 800A	10				
1000		TCSN535 1k0A	10				
1200		TCSN535 1k2A	10				
1250		TCSN535 1k25A	10				
1500		TCSN535 1k5A	20				

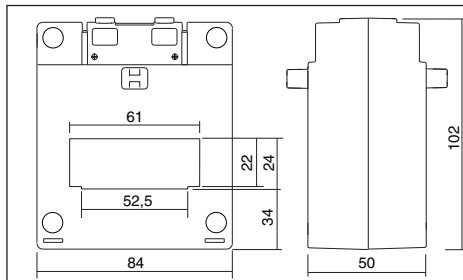
TCSN54



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200				TCSN54 200A	8		
250		TCSN54 250A	6				
300		TCSN54 300A	8				
400		TCSN54 400A	10				
500		TCSN54 500A	15				
600		TCSN54 600A	15				

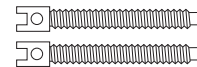
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
750		TCSN54 750A	15				
800		TCSN54 800A	15				
1000		TCSN54 1k0A	15				
1200		TCSN54 1k2A	15				
1250		TCSN54 1k25A	15				
1500		TCSN54 1k5A	30				

TCSN6



Transformer suitable for primary current by horizontal bar 50x20 and 60x20 mm

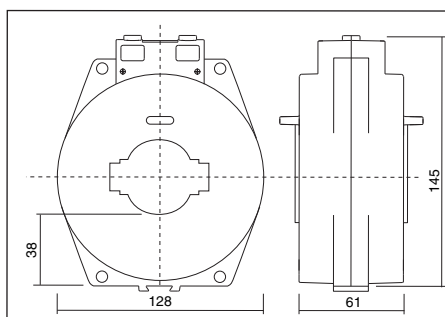
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400		TCSN6 400A	6				
500		TCSN6 500A	6				
600		TCSN6 600A	10				
750		TCSN6 750A	10				
800		TCSN6 800A	10				
1000		TCSN6 1k0A	10				

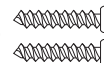
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1200		TCSN6 1k2A	15				
1250		TCSN6 1k25A	20				
1500		TCSN6 1k5A	20				
1600		TCSN6 1k6A	20				
2000		TCSN6 2k0A	20				
2500		TCSN6 2k5A	20				

TCSN60



Transformer suitable for primary current by horizontal bar 50x20 mm and 60x10 mm and cable with maximum diameter 50 mm
Fixing to wall by ABASETCSA base

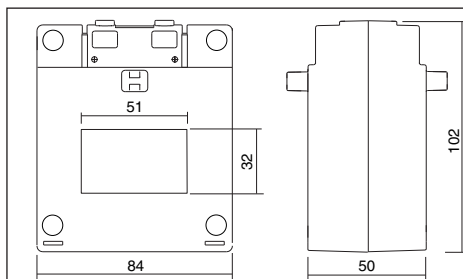
Screws M3,5x38



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400		TCSN60 400A	6				
500		TCSN60 500A	6				
600		TCSN60 600A	10				
750		TCSN60 750A	10				
800		TCSN60 800A	10				

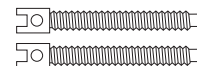
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1000		TCSN60 1k0A	20				
1200		TCSN60 1k2A	20				
1250		TCSN60 1k25A	20				
1500		TCSN60 1k5A	30				

TCSN65



Transformer suitable for primary current by horizontal bar 50x30 mm

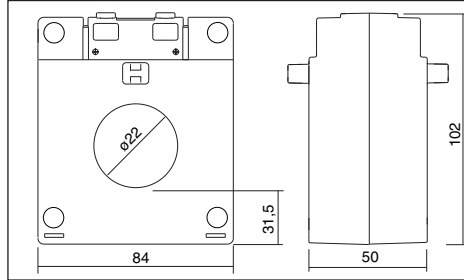
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400		TCSN65 400A	6				
500		TCSN65 500A	6				
600		TCSN65 600A	10				
750		TCSN65 750A	10				
800		TCSN65 800A	10				
1000		TCSN65 1k0A	10				

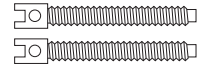
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1200		TCSN65 1k2A	15				
1250		TCSN65 1k25A	20				
1500		TCSN65 1k5A	20				
1600		TCSN65 1k6A	20				
2000		TCSN65 2k0A	20				
2500		TCSN65 2k5A	20				

TCSN622



Transformer suitable for primary current by cable with maximum diameter 20 mm

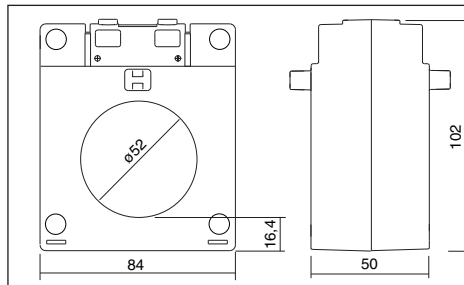
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
125		TCSN622 125A	5				
150		TCSN622 150A	6				
200		TCSN622 200A	10				

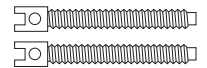
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
250		TCSN622 250A	15				
300		TCSN622 300A	20				

TCSN645



Transformer suitable for primary current by cable with maximum diameter 50 mm

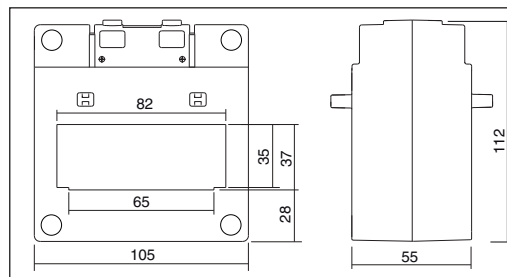
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400		TCSN645 400A	15				
500		TCSN645 500A	20				
600		TCSN645 600A	20				
750		TCSN645 750A	20				
800		TCSN645 800A	20				
1000		TCSN645 1k0A	20				

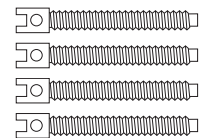
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1200		TCSN645 1k2A	20				
1250		TCSN645 1k25A	20				
1500		TCSN645 1k5A	40				
1600		TCSN645 1k6A	40				
2000		TCSN645 2k0A	40				

TCSN8



Transformer suitable for primary current by horizontal bar 60x30 and 80x30 mm

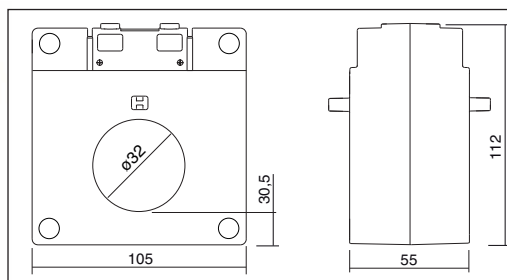
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400		TCSN8 400A	6				
500		TCSN8 500A	6				
600		TCSN8 600A	10				
750		TCSN8 750A	10				
800		TCSN8 800A	10				
1000		TCSN8 1k0A	10				
1200		TCSN8 1k2A	15				

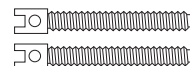
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1250		TCSN8 1k25A	20				
1500		TCSN8 1k5A	20				
1600		TCSN8 1k6A	20				
2000		TCSN8 2k0A	20				
2500		TCSN8 2k5A	20				
3000	0,80	TCSN8 3k0A	20				

TCSN832



Transformer suitable for primary current by cable with maximum diameter 30 mm

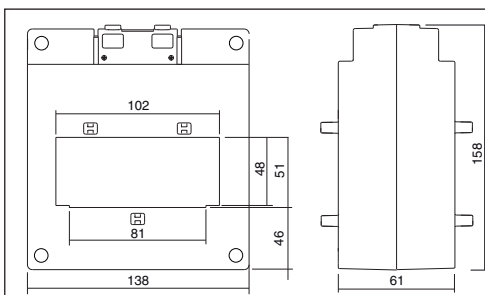
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100		TCSN832 100A	5				
120		TCSN832 120A	5				
125		TCSN832 125A	5				
150		TCSN832 150A	6				

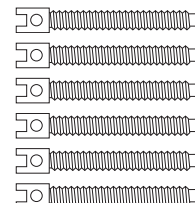
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200		TCSN832 200A	10				
250		TCSN832 250A	15				
300		TCSN832 300A	20				
400		TCSN832 400A	30				

TCSN10



Transformer suitable for primary current by horizontal bar 80x40 and 100x40 mm

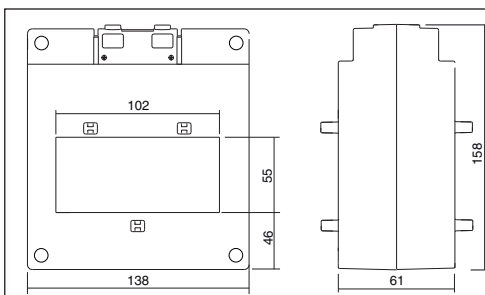
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN10 500A	10				
600		TCSN10 600A	10				
750		TCSN10 750A	10				
800		TCSN10 800A	10				
1000		TCSN10 1k0A	10				
1200		TCSN10 1k2A	15				

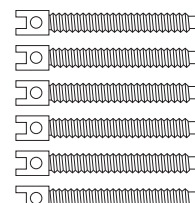
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1250		TCSN10 1k25A	20				
1500		TCSN10 1k5A	20				
1600		TCSN10 1k6A	20				
2000		TCSN10 2k0A	20				
2500		TCSN10 2k5A	20				
3000		TCSN10 3k0A	20				

TCSN103



Transformer suitable for primary current by 3 horizontal bars 100x10 mm

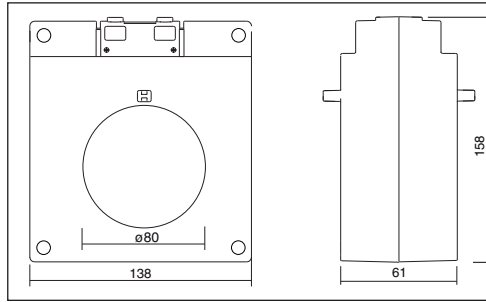
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN103 500A	10				
600		TCSN103 600A	10				
750		TCSN103 750A	10				
800		TCSN103 800A	10				
1000		TCSN103 1k0A	10				
1200		TCSN103 1k2A	15				

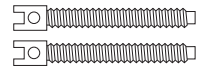
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1250		TCSN103 1k25A	20				
1500		TCSN103 1k5A	20				
1600		TCSN103 1k6A	20				
2000		TCSN103 2k0A	20				
2500		TCSN103 2k5A	20				
3000		TCSN103 3k0A	20				

TCSN1080



Transformer suitable for primary current by cable with maximum diameter 80 mm

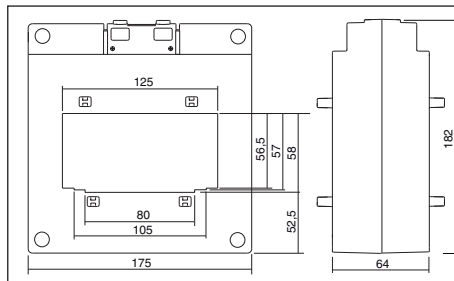
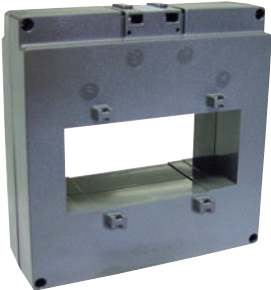
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN1080 500A	10				
600		TCSN1080 600A	10				
750		TCSN1080 750A	10				
800		TCSN1080 800A	10				
1000		TCSN1080 1k0A	10				
1200		TCSN1080 1k2A	15				

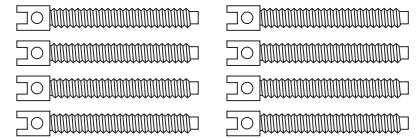
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1250		TCSN1080 1k25A	20				
1500		TCSN1080 1k5A	20				
1600		TCSN1080 1k6A	20				
2000		TCSN1080 2k0A	20				
2500		TCSN1080 2k5A	20				
3000		TCSN1080 3k0A	20				

TCSN12



Transformer suitable for primary current by horizontal bar 80x50, 100x50 and 125x50 mm

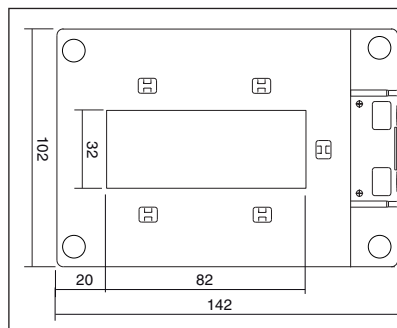
Black screws ABS 6Mx50



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN12 500A	10				
600		TCSN12 600A	10				
750		TCSN12 750A	10				
800		TCSN12 800A	15				
1000		TCSN12 1k0A	20				
1200		TCSN12 1k2A	20				
1250		TCSN12 1k25A	20				

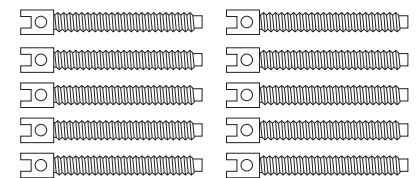
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1500		TCSN12 1k5A	20				
1600		TCSN12 1k6A	20				
2000		TCSN12 2k0A	30				
2500		TCSN12 2k5A	40				
3000		TCSN12 3k0A	40				
4000		TCSN12 4k0A	50				

TCSN8V



Transformer suitable for primary current by vertical bar 30x80 mm

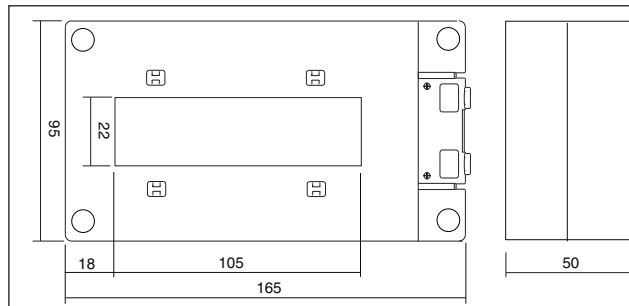
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400		TCSN8V 400A	10				
500		TCSN8V 500A	10				
600		TCSN8V 600A	10				
750		TCSN8V 750A	10				
800		TCSN8V 800A	10				
1000		TCSN8V 1k0A	10				

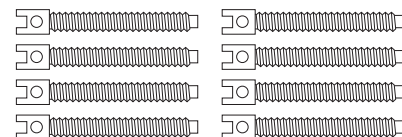
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1200		TCSN8V 1k2A	10				
1250		TCSN8V 1k25A	10				
1500		TCSN8V 1k5A	10				
1600		TCSN8V 1k6A	10				
2000		TCSN8V 2k0A	20				
2500		TCSN8V 2k5A	20				

TCSN10V2



Transformer suitable for primary current by vertical bar 20x100 mm

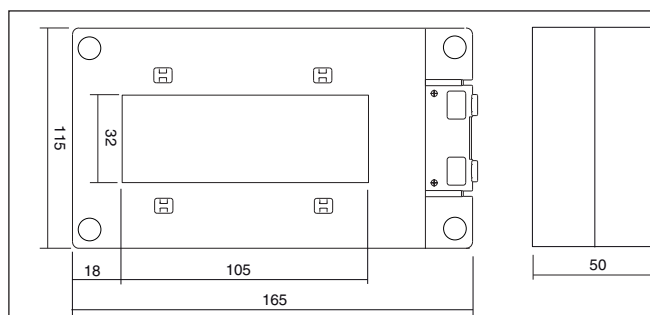
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN10V2 500A	6				
600		TCSN10V2 600A	6				
750		TCSN10V2 750A	8				
800		TCSN10V2 800A	8				
1000		TCSN10V2 1k0A	10				
1200		TCSN10V21k2A	10				

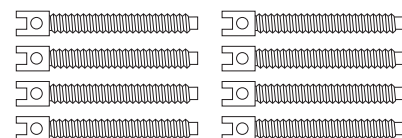
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1250		TCSN10V2 1k25A	10				
1500		TCSN10V2 1k5A	10				
1600		TCSN10V2 1k6A	10				
2000		TCSN10V2 2k0A	15				
2500		TCSN10V2 2k5A	20				
3000		TCSN10V2 3k0A	20				

TCSN10V3



Transformer suitable for primary current by vertical bar 30x100 mm

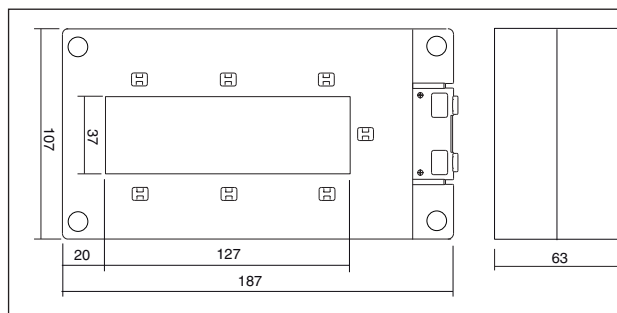
Black screws ABS 4Mx40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSN10V3 500A	6				
600		TCSN10V3 600A	6				
750		TCSN10V3 750A	8				
800		TCSN10V3 800A	8				
1000		TCSN10V3 1k0A	10				
1200		TCSN10V3 1k2A	10				
1250		TCSN10V3 1k25A	10				

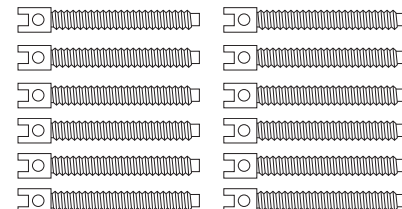
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1500		TCSN10V3 1k5A	10				
1600		TCSN10V3 1k6A	10				
2000		TCSN10V3 2k0A	15				
2500		TCSN10V3 2k5A	20				
3000		TCSN10V3 3k0A	20				
4000		TCSN10V3 4k0A	20				

TCSN12V



Transformer suitable for primary current by vertical bar 35x125 mm

Black screws ABS 4Mx40

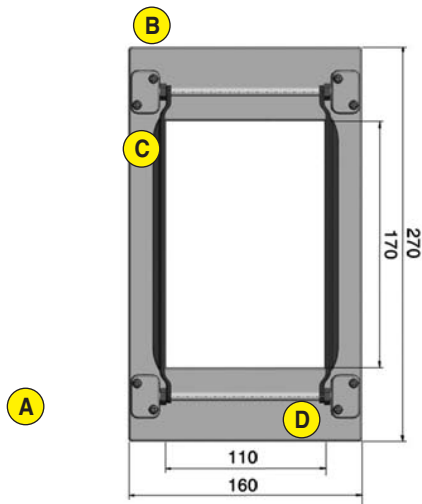


A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
750		TCSN12V 750A	10				
800		TCSN12V 800A	10				
1000		TCSN12V 1k0A	10				
1200		TCSN12V 1k2A	10				
1250		TCSN12V 1k25A	10				
1500		TCSN12V 1k5A	12				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1600		TCSN12V 1k6A	12				
2000		TCSN12V 2k0A	15				
2500		TCSN12V 2k5A	20				
3000		TCSN12V 3k0A	20				
4000		TCSN12V 4k0A	20				

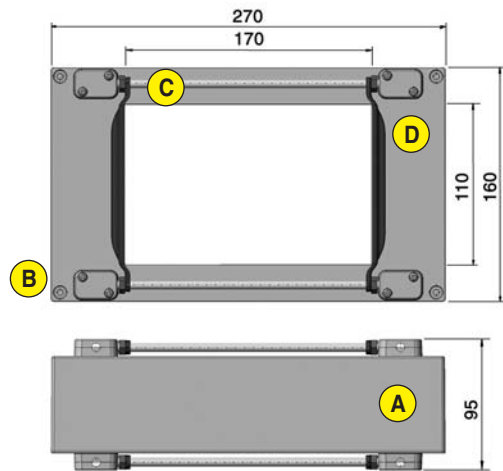
MEASURING OR PROTECTON TRANSFORMERS RANGE

TCSN1117 - TCSN1711



TCSN1117

110x170 hole for vertical bars

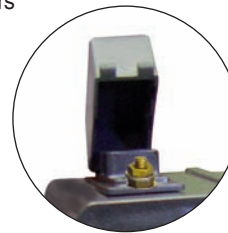


TCSN1711

170x110 hole for horizontal bars

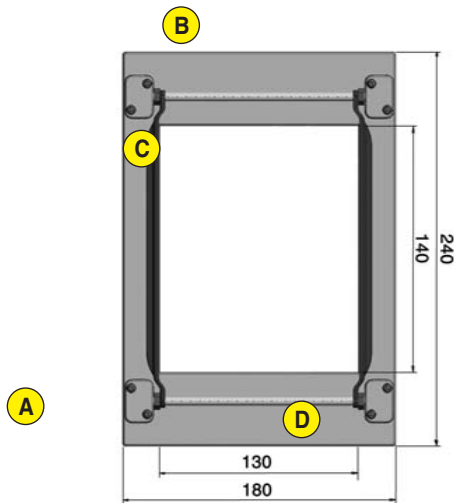


- Measuring or Protection CTs can be manufactured on request
- Terminals with sealable cover, can be fixed on 4 different positions to specify when ordering:
 - Position A = on the higher long side
 - Position B = on the higher short side
 - Position C = on the frontal long side
 - Position D = on the frontal short side
- In absence of informations, terminals will be always fixed on position "A"
- These CTs can be supplied with Resin (R) or Air (O) insulation
- Primary currents from 1000A to 10000A
- Secondary currents 5A or 1A
- Class and power (VA) on request
- Examples of ordering codes:



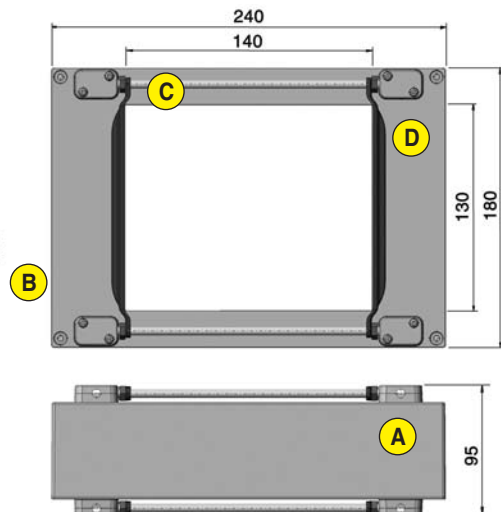
- TCSN1711AO CT for horizontal busbar 170x110 mm, with terminals on the higher long side and air insulation. The code must be completed with primary and secondary current, Class and Power (VA)
- TCSN1117BR CT for vertical busbar 110x170 mm, with terminals on the higher short side and resin insulation. The code must be completed with primary and secondary current, Class and Power (VA)

TCSN1314 - TCSN1413



TCSN1314

130x140 hole for vertical bars

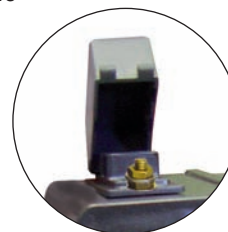


TCSN1413

140x130 hole for horizontal bars



- Measuring or Protection CTs can be manufactured on request
- Terminals with sealable cover, can be fixed on 4 different positions to specify when ordering:
 - Position A = on the higher long side
 - Position B = on the higher short side
 - Position C = on the frontal long side
 - Position D = on the frontal short side
- In absence of informations, terminals will be always fixed on position "A"
- These CTs can be supplied with Resin (R) or Air (O) insulation
- Primary currents from 1000A to 10000A
- Secondary currents 5A or 1A
- Class and power (VA) on request
- Examples of ordering codes:

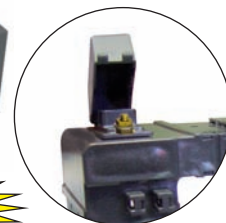
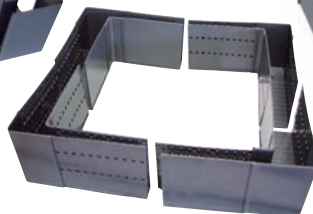
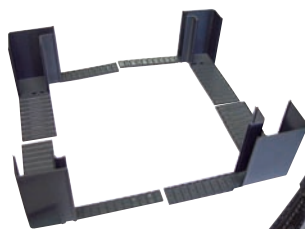


- TCSN1314CO CT for horizontal busbar 130x140 mm, with terminals on the frontal long side and air insulation. The code must be completed with primary and secondary current, Class and Power (VA)
- TCSN1413DR CT for vertical busbar 140x130 mm, with terminals on the frontal short side and resin insulation. The code must be completed with primary and secondary current, Class and Power (VA)

ADJUSTABLE CURRENT TRANSFORMERS

TAA....

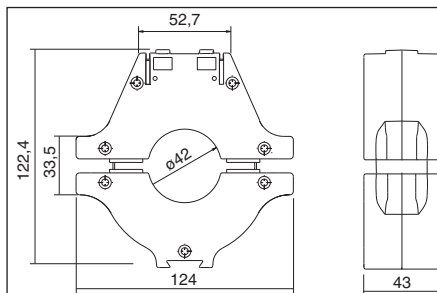
- Modularity of thermoplastic case technology, permits to obtain current transformers (resin insulation) with different internal and external dimensions, reducing costs and delivery times
- Measuring or Protection CTs can be manufactured on request
- Maximum dimensions: internal 205x210 mm; external 265x310mm
- Vertical or horizontal bars
- Primary currents from 1000A to 10000A
- Secondary currents 5A or 1A
- Class and power (VA) on request



SPLIT CORE CURRENT TRANSFORMERS

- Fixing system: directly to bus bar by the insulated screws supplied together with the current transformer
- Different characteristics on request
- Secondary current 1A on request (example code: TCSA40 1 100A)

TCSA40

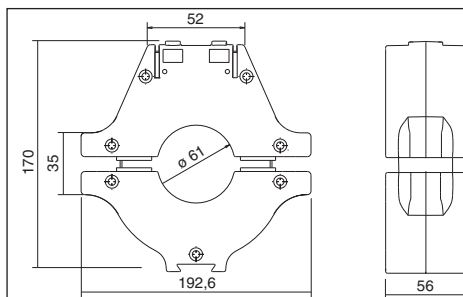


- Transformer suitable for primary current by cable with maximum diameter 40 mm

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	1,2	TCSA40 400A	4	TCSA40 250A TCSA40 300A	3 3	TCSA40 100A TCSA40 150A	3 3
150							
250							
300							
400							

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500	1,2	TCSA40 500A	4				
600		TCSA40 600A	4				
800		TCSA40 800A	4				
1000		TCSA40 1K0A	5				

TCSA60

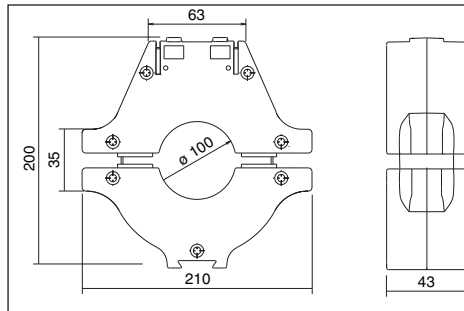


- Transformer suitable for primary current by cable with maximum diameter 60 mm
- Fixing to wall by ABASETCSA base

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
300	1,5			TCSA60 300A	3		
400				TCSA60 400A	4		
500				TCSA60 500A	4		
600				TCSA60 600A	4		

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
800	1,5	TCSA60 800A	4				
1000		TCSA60 1K0A	5				
1200		TCSA60 1K2A	5				
1500		TCSA60 1K5A	5				

TCSA100

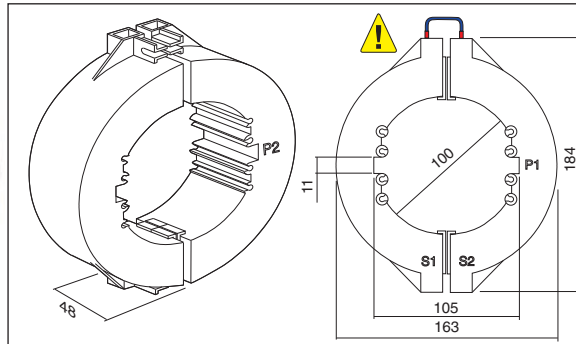


- Transformer suitable for primary current by cable with maximum diameter 100 mm
- Fixing to wall by ABASETCSA base

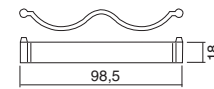
A	kg	class 0,5		class 1		class 3	
primary current	weight	Secondary current 5A		Secondary current 5A		Secondary current 5A	
		code	VA	code	VA	code	VA
500		TCSA100 500A	5				
600		TCSA100 600A	5				
800		TCSA100 800A	8				
1000		TCSA100 1K0A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	Secondary current 5A		Secondary current 5A		Secondary current 5A	
		code	VA	code	VA	code	VA
1200		TCSA100 1K2A	20				
1500		TCSA100 1K5A	30				
2000		TCSA100 2K0A	40				

TARA100



- Transformer suitable for primary current by cable with maximum diameter 100mm or horizontal bus bar 100x10 mm
- For to have a correct work it is necessary to make a bridge as indicated in the draw.

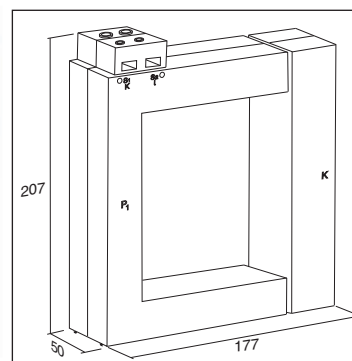


2 x accessory for fixing to bar or cable

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500		TARA100 500A	5				
600		TARA100 600A	5				
800		TARA100 800A	8				
1000		TARA100 1K0A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1200		TARA100 1K2A	20				
1500		TARA100 1K5A	30				
2000		TARA100 2K0A	40				

TARA105



- Transformer suitable for primary current by horizontal bar 120x10 - 2x120x10 - 3x120x10 mm or vertical bar 100x10 - 2x100x10 - 3x100x10 mm
- Sealable terminal covers ATCS1C on request
- Three different possibilities of the secondary's connection to choose between: fast-on, metal point cable terminal or metal fork cable terminal

N° 2 accessories for fixing bar

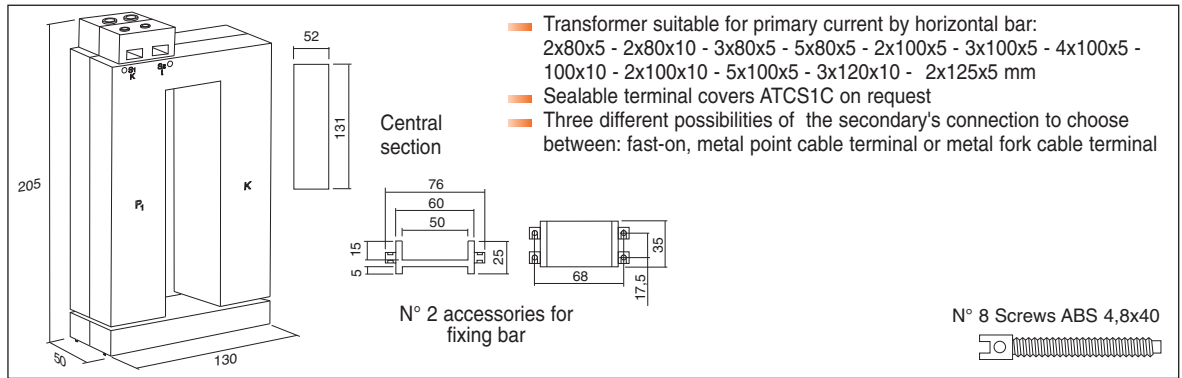
N° 8 Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1000	1,5	TARA105 1K0A	10				
1200		TARA105 1K2A	10				
1500		TARA105 1K5A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
2000	2	TARA105 2K0A	15				
2500		TARA105 2K5A	20				

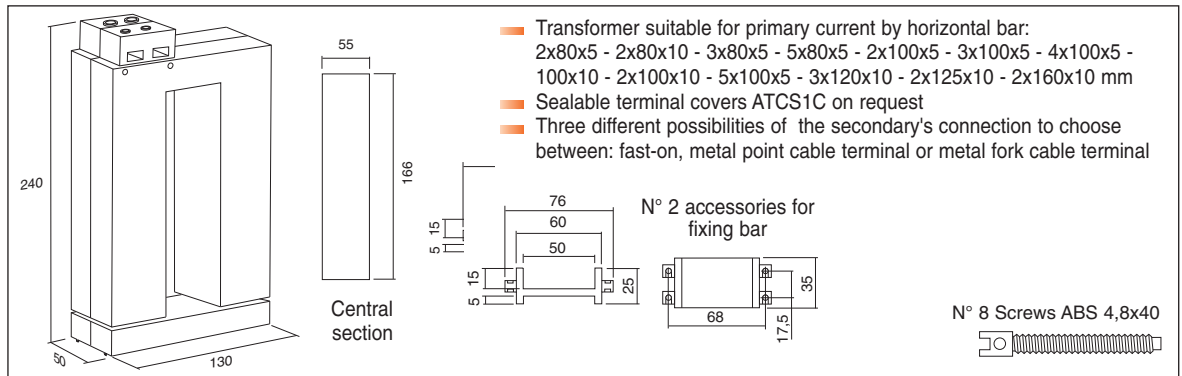
TARA126



A	kg	class 0,5	class 1	class 3
primary current	weight	secondary current 5A		secondary current 5A
		code	VA	code VA
1250	1,5	TARA126 1K25A	20	
1500		TARA126 1K5A	20	

A	kg	class 0,5	class 1	class 3
primary current	weight	secondary current 5A		secondary current 5A
		code	VA	code VA
2000	2	TARA126 2K0A	20	
2500		TARA126 2K5A	20	

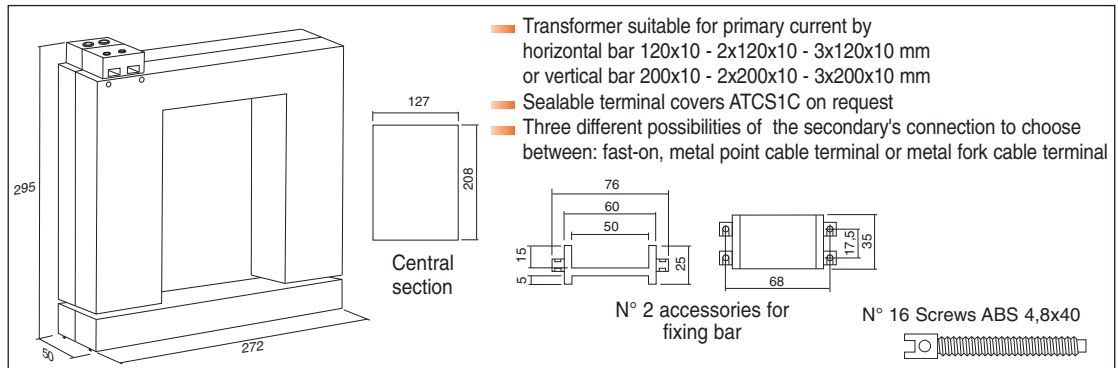
TARA166



A	kg	class 0,5	class 1	class 3
primary current	weight	secondary current 5A		secondary current 5A
		code	VA	code VA
1250	1,5	TARA166 1K25A	20	
1500		TARA166 1K5A	20	
2000		TARA166 2K0A	20	
2500		TARA166 2K5A	20	

A	kg	class 0,5	class 1	class 3
primary current	weight	secondary current 5A		secondary current 5A
		code	VA	code VA
3000	2,5	TARA166 3K0A	20	
4000		TARA166 4K0A	30	
5000		TARA166 5K0A	30	

TARA200



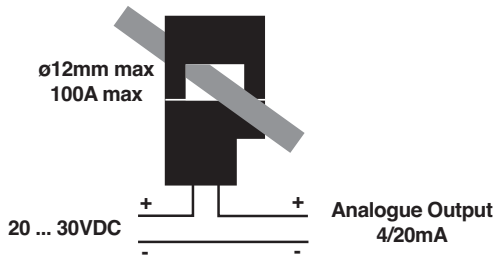
A	kg	class 0,5	class 1	class 3
primary current	weight	secondary current 5A		secondary current 5A
		code	VA	code VA
1000	2	TARA200 1K0A	10	
1200		TARA200 1K2A	10	
1500	2,5	TARA200 1K5A	10	
2000		TARA200 2K0A	15	
2500	3	TARA200 2K5A	20	

A	kg	class 0,5	class 1	class 3
primary current	weight	secondary current 5A		secondary current 5A
		code	VA	code VA
3000	3	TARA200 3K0A	20	
4000	3,5	TARA200 4K0A	30	
5000	4	TARA200 5K0A	30	
6000	4,5	TARA200 6K0A	30	

PASSIVE SPLIT CURRENT SENSOR

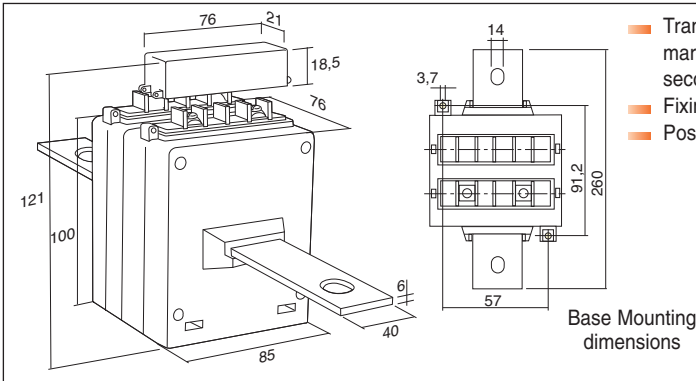
SCSP100A-4/20mA

- Measure up to 100A
- Input signal 100A is converted into an output signal 4/20mA (4mA=0; 20mA=100A)
- This solution permits a quick installation in already existing panels or nets as that it is not necessary to disconnect the power cable as needed by the classic current transformers. This CT accepts a cable diameter 12mm maximum and its position on the cable doesn't influence the readings.



OVERLOAD CURRENT TRANSFORMERS

TARSV



- Transformer with wound primary cable, primary current by incorporated bus bar and secondary current on terminals.
- Fixing system: to wall by accessories
- Possible overload of 400%

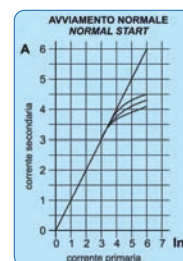
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
50 (200)	1,6	TARSV 50(200)	5				
100 (400)		TARSV 100(400)	5				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200 (800)	1,6	TARSV 200(800)	5				

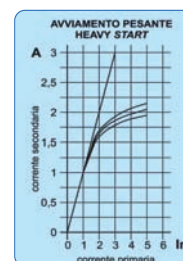
SATURABLE TRANSFORMERS RANGE FOR THERMAL RELAYS

— Saturable CTs are designed to have a special saturation curve in order to prevent unwanted and untimely trips of thermal relays during electric machine's start-up. These CTs could be of two different types: normal starting application or heavy starting application.

Insulation class	II
Test voltage	3 kV, 50Hz for 1 minute
Insulation reference	0,72 kV
Tropicalized execution	
Rated short time thermal current I _{th}	60 I _n x 1 sec
Rated dynamic current I _{dyn}	2,5 I _{th} x 1 sec
Working temperature	20°C +/- 10°C with accuracy class respected
	-25°C +50°C with granted function but out of accuracy class
Storage temperature	from -40°C to + 80°C
Frequency	40/60Hz
Protection degree	IP40
Standard	EN 60044-1

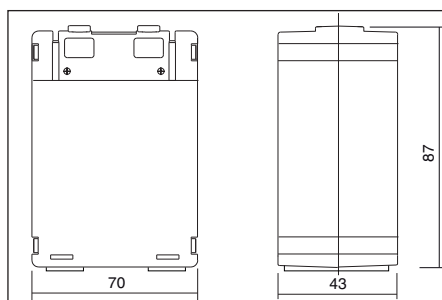


Normally starting saturable CTs are manufactured with a saturation between 3,5 I_n and 4,5 I_n.

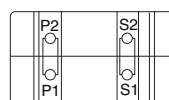


Heavy starting saturable CTs are manufactured with a saturation between 1,3 I_n and 2,5 I_n.

TCSNPD1...TR (TRH)



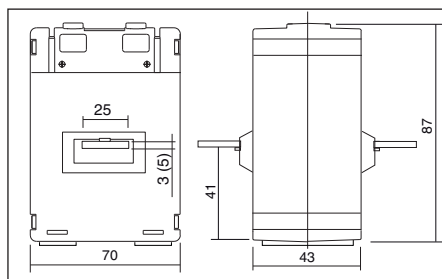
— Transformer with wound primary cable, primary and secondary currents on the terminals



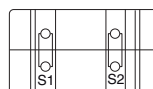
A	kg	Normal starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
1		TCSNPD1-1A TR	2
5		TCSNPD1-5A TR	2
10		TCSNPD1-10A TR	2
15		TCSNPD1-15A TR	2
20		TCSNPD1-20A TR	2
25		TCSNPD1-25A TR	2

A	kg	Heavy starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
1		TCSNPD1-1A TRH	2
5		TCSNPD1-5A TRH	2
10		TCSNPD1-10A TRH	2
15		TCSNPD1-15A TRH	2
20		TCSNPD1-20A TRH	2
25		TCSNPD1-25A TRH	2

TCSNPD2...TR (TRH)



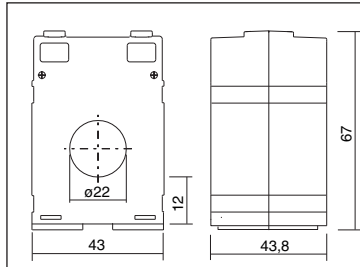
— Primary winding transformer. Primary current by incorporated central bar 25x3 mm up to 300A, 25x5 mm; from 400 to 500A secondary current on terminals



A	kg	Normal starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
30		TCSNPD2-30A TR	2
40		TCSNPD2-40A TR	2
50		TCSNPD2-50A TR	2
60		TCSNPD2-60A TR	2
75		TCSNPD2-75A TR	2
80		TCSNPD2-80A TR	2

A	kg	Heavy starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
30		TCSNPD2-30A TRH	2
40		TCSNPD2-40A TRH	2
50		TCSNPD2-50A TRH	2
60		TCSNPD2-60A TRH	2
75		TCSNPD2-75A TRH	2
80		TCSNPD2-80A TRH	2

TCSN22D...TR (TRH)

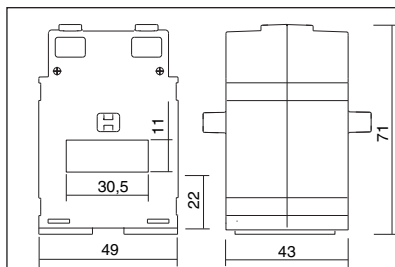


Transformer suitable for primary current by cable with maximum diameter 22 mm

A	kg	Normal starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
100		TCSN22D-100A TR	2
120		TCSN22D-120A TR	2
125		TCSN22D-125A TR	2
150		TCSN22D-150A TR	2

A	kg	Heavy starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
100		TCSN22D-100A TRH	2
120		TCSN22D-120A TRH	2
125		TCSN22D-125A TRH	2
150		TCSN22D-150A TRH	2

TCSN3D...TR (TRH)

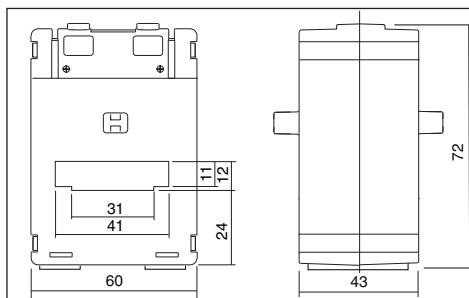


Transformer suitable for primary current by horizontal bar 30x10 mm

A	kg	Normal starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
100		TCSN3D-100A TR	2
120		TCSN3D-120A TR	2
125		TCSN3D-125A TR	2
150		TCSN3D-150A TR	2

A	kg	Heavy starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
100		TCSN3D-100A TRH	2
120		TCSN3D-120A TRH	2
125		TCSN3D-125A TRH	2
150		TCSN3D-150A TRH	2

TCSN4D...TR (TRH)



Transformer suitable for primary current by horizontal bar 30x10 and 40x10 mm

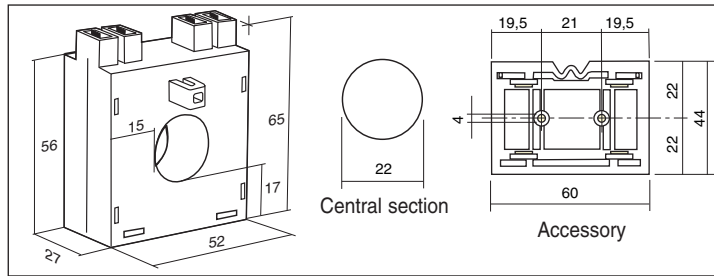
A	kg	Normal starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
150		TCSN4D-150A TR	2
200		TCSN4D-200A TR	2
250		TCSN4D-250A TR	2
300		TCSN4D-300A TR	2
400		TCSN4D-400A TR	2
500		TCSN4D-500A TR	2
600		TCSN4D-600A TR	2

A	kg	Heavy starting - Class 3	
primary current	weight	Secondary current 1A	
		code	VA
150		TCSN4D-150A TRH	2
200		TCSN4D-200A TRH	2
250		TCSN4D-250A TRH	2
300		TCSN4D-300A TRH	2
400		TCSN4D-400A TRH	2
500		TCSN4D-500A TRH	2
600		TCSN4D-600A TRH	2

MINI SERIES - CURRENT TRANSFORMERS

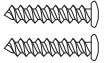
- The double terminal entry allows short circuit links to be fitted when it is necessary to disconnect the measuring instrument from the transformer without damage to the CT, or for easier termination to ground of the CT
- Fixing system: to wall or to DIN rail by an accessory; directly to cable by screws (the accessory and the screws are supplied together with the current transformer)
- **Secondary current 1A on request**

TAM1D



Transformer suitable for primary current by cable with maximum diameter 21mm

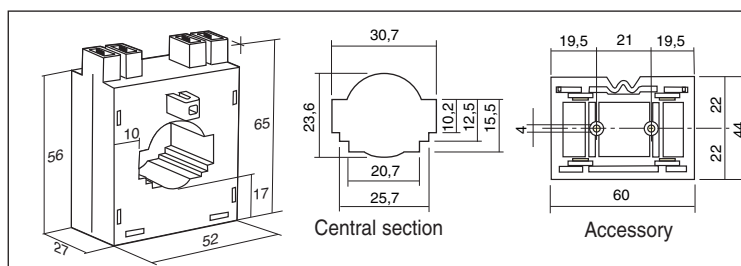
Screws M3,5x31



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,2					TAM1D 40A	1,3
50						TAM1D 50A	1,5
60						TAM1D 60A	1,5
75						TAM1D 75A	1,5
80						TAM1D 80A	2
100				TAM1D 100A	2		

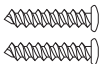
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
120	0,2			TAM1D 120A	3		
125				TAM1D 125A	3		
150				TAM1D 150A	4		
200							
250							
		TAM1D 200A	3				
		TAM1D 250A	3				

TAM3D



Transformer suitable for primary current by cable with maximum diameter 23mm or by horizontal bar 20x12, 25x15, 30x10 mm

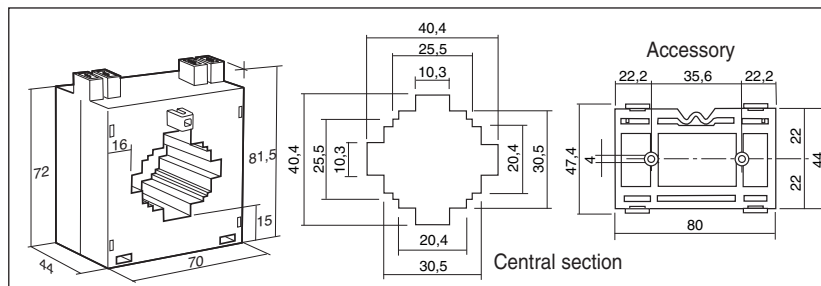
Screws M3,5x31



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,2			TAM3D 100A	1,5		
120				TAM3D 120A	1,5		
125				TAM3D 125A	1,5		
150				TAM3D 150A	3		

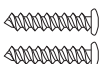
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200	0,2			TAM3D 200A	3		
250							
300							
400							

TAM4D



Transformer suitable for primary current by cable with maximum diameter 30mm or horizontal/vertical bar 25x25, 30x20, 40x10 mm

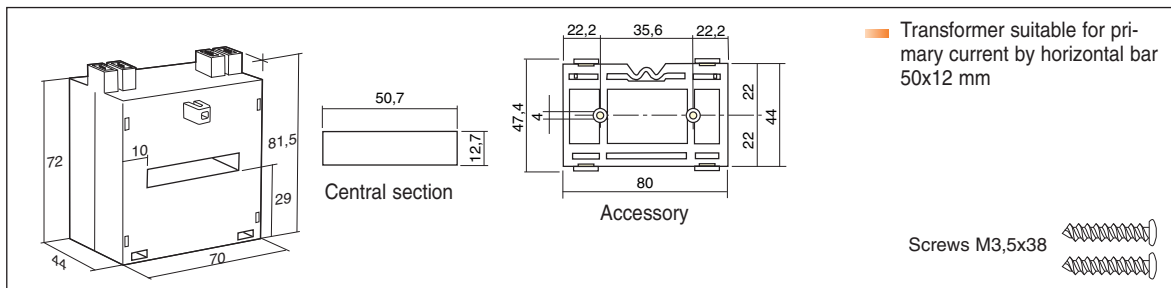
Screws M3,5x38



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,4			TAM4D 100A	3		
120				TAM4D 120A	3		
125				TAM4D 125A	3		
150				TAM4D 150A	3		
200				TAM4D 200A	4		

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
250	0,4			TAM4D 250A	6		
300							
400							
500							
600							

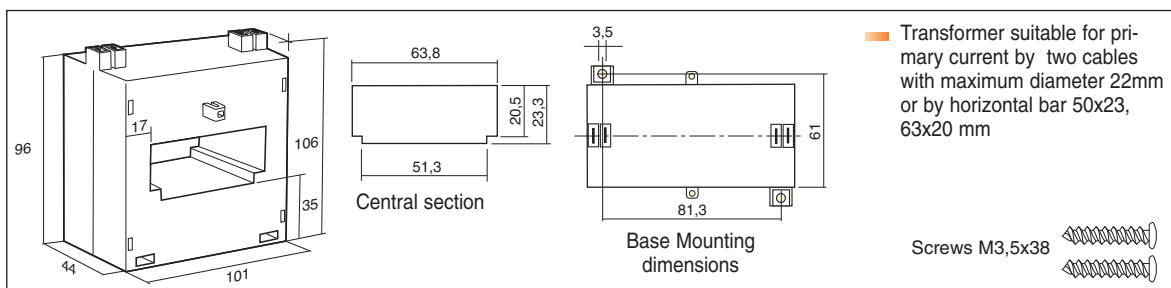
TAM5D



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
150	0,3	TAM5D 300A TAM5D 400A	4 4	TAM5D 150A	2		
200				TAM5D 200A	2		
250				TAM5D 250A	3		
300							
400							

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
500	0,3	TAM5D 500A	6				
600		TAM5D 600A	6				
800		TAM5D 800A	10				
1000		TAM5D 1k0A	10				
1200		TAM5D 1k2A	10				

TAM6



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
300	0,5	TAM6 300A	5				
400		TAM6 400A	6				
500		TAM6 500A	6				
600	0,6	TAM6 600A	6				
800		TAM6 800A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1000	0,6	TAM6 1K0A	10				
1200		TAM6 1K2A	15				
1500	0,8	TAM6 1K5A	20				
1600		TAM6 1K6A	20				
2000		TAM6 2K0A	20				

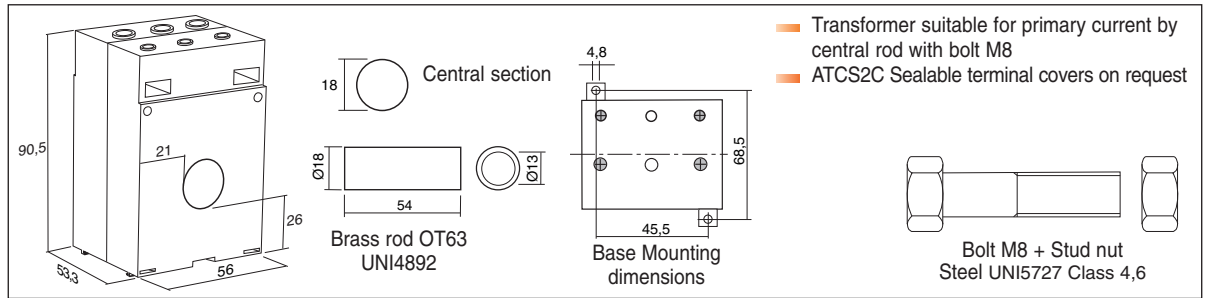
SMALL SERIES - CURRENT TRANSFORMERS

- Three different possibilities of the secondary's connection to choose between: fast-on, metal point cable terminal or metal fork cable terminal
- Fixing system: to wall by an accessory or to DIN rail; directly to bus bar by the bolts supplied together with the current transformer

- Different characteristics on request
- Secondary current 1A on request**
- Sealable terminal covers on request



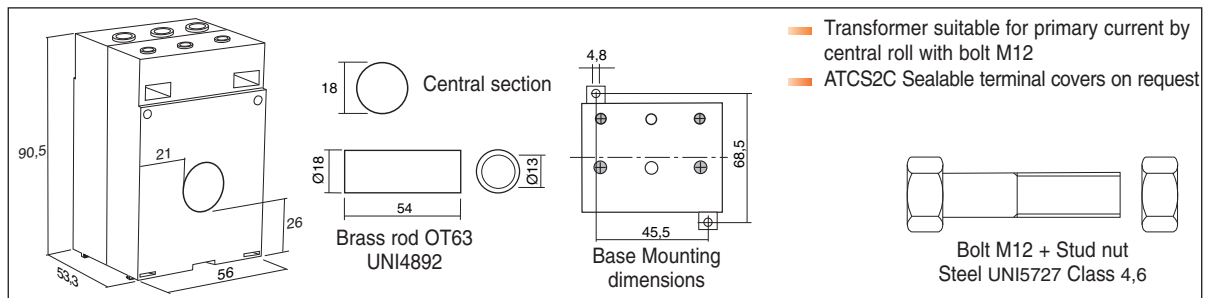
TCS08



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,6					TCS08 40A	3
50						TCS08 50A	4
60						TCS08 60A	5
75				TCS08 75A	5		
80				TCS08 80A	5		

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,6					TCS08 100A	5
120						TCS08 120A	5
125						TCS08 125A	5
150						TCS08 150A	5

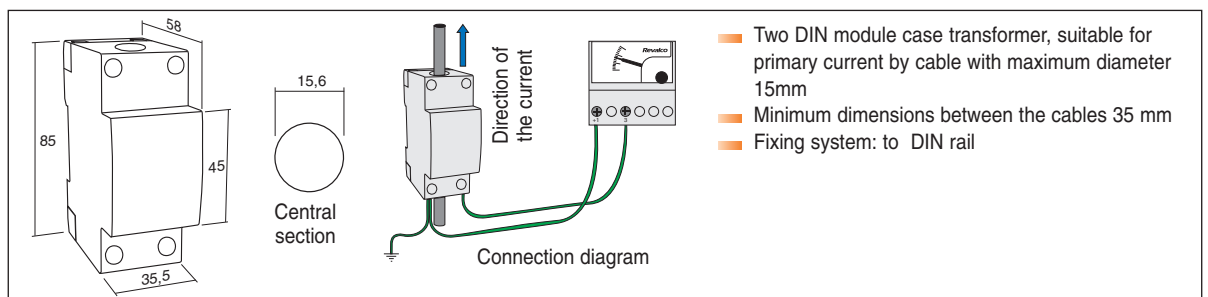
TCS012



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200	0,7	TCS012 200A	5				
250		TCS012 250A	10				
300		TCS012 300A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400	0,6					TCS012 400A	10
500						TCS012 500A	10
600						TCS012 600A	10

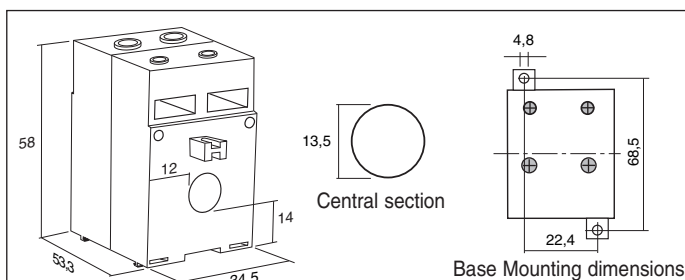
TCSM15



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,25					TCSM15 40A	2
50						TCSM15 50A	2
60						TCSM15 60A	3
75						TCSM15 75A	3
80						TCSM15 80A	3

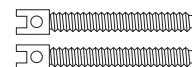
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,25					TCSM15 100A	3
120						TCSM15 120A	5
125						TCSM15 125A	5
150						TCSM15 150A	5

TCS13



- Transformer suitable for primary current by cable with maximum diameter 13mm
- Minimum dimensions between the cables 27mm
- ATCS1C Sealable terminal covers on request

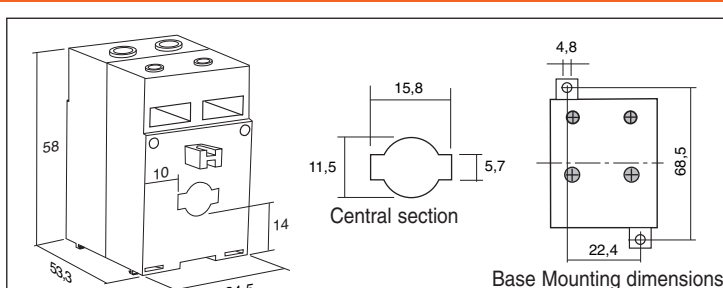
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,22					TCS13 40A	2
50						TCS13 50A	2
60						TCS13 60A	3
75						TCS13 75A	3
80						TCS13 80A	3

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,22					TCS13 100A	3
120						TCS13 120A	5
125						TCS13 125A	5
150						TCS13 150A	5

TCS16



- Transformer suitable for primary current by cable with maximum diameter 11mm or horizontal bar 15x5 mm
- Minimum dimension between the cables or the bars 27mm
- ATCS1C Sealable terminal covers on request

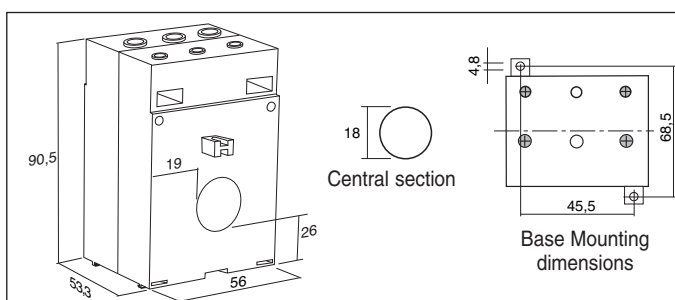
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
60	0,2					TCS16 60A	3
75						TCS16 75A	3
80						TCS16 80A	3
100							
				TCS16 100A	3		

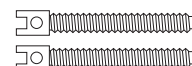
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
120	0,2					TCS16 120A	5
125						TCS16 125A	5
150						TCS16 150A	5

TCS18



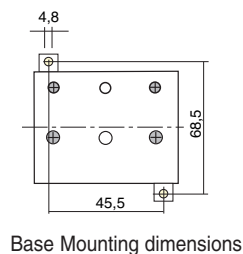
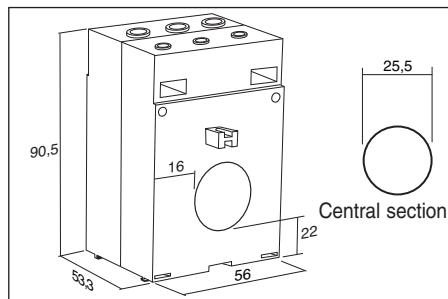
- Transformer suitable for primary current by cable with maximum diameter 18 mm
- Minimum dimension between the cables 45 mm
- ATCS2C Sealable terminal covers on request

Screws ABS 4,8x40



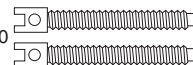
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
40	0,5					TCS18 40A	1,5						
50						TCS18 50A	3						
60						TCS18 60A	3						
75						TCS18 75A	3						
80						TCS18 80A	5						
100								TCS18 100A0,2S	1,5	TCS18 100A0,2	1,5	TCS18 100A0,5S	2,5
120								TCS18 120A0,2S	1,5	TCS18 120A0,2	1,5	TCS18 120A0,5S	2,5
125								TCS18 125A0,2S	1,5	TCS18 125A0,2	1,5	TCS18 125A0,5S	2,5
150								TCS18 150A0,2S	1,5	TCS18 150A0,2	1,5	TCS18 150A0,5S	3,5
200		TCS18 150A	3,5					TCS18 200A0,2S	1,5	TCS18 200A0,2	1,5	TCS18 200A0,5S	5
250		TCS18 200A	5					TCS18 250A0,2S	1,5	TCS18 250A0,2	1,5	TCS18 250A0,5S	5
300		TCS18 250A	5					TCS18 300A0,2S	1,5	TCS18 300A0,2	1,5	TCS18 300A0,5S	7,5

TCS25



- Transformer suitable for primary current by cable with maximum diameter 25mm
- Minimum dimension between the cables 45mm
- ATCS2C Sealable terminal covers on request

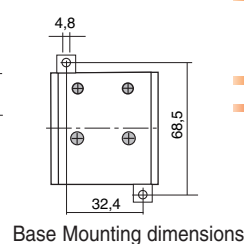
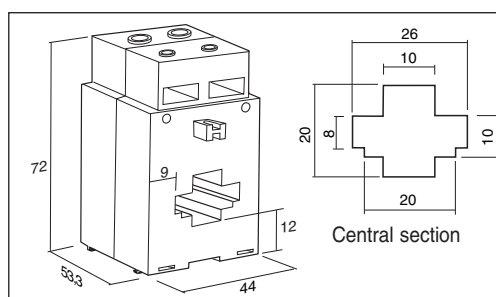
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,4					TCS25 40A	1,5
50						TCS25 50A	3
60						TCS25 60A	3
75						TCS25 75A	3
80						TCS25 80A	5
100				TCS25 100A	2,5		
120				TCS25 120A	3		

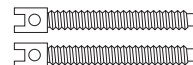
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
125	0,4			TCS25 125A	3		
150		TCS25 150A	3,5				
200		TCS25 200A	5				
250		TCS25 250A	6				
300		TCS25 300A	6				
300		TCS25 300A	6				
400		TCS25 400A	10				

TCS26



- Transformer suitable for primary current by horizontal bar 15x5, 20x5, 25x5, 25x6,5mm or vertical bar 15x5, 20x5 mm
- Minimum dimension between the bars 35mm
- ATCS1C Sealable terminal covers on request

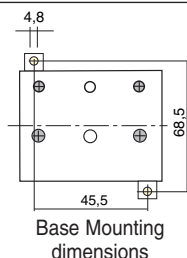
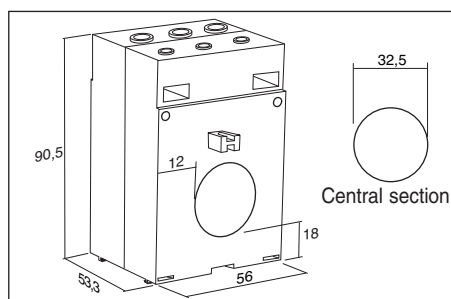
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,25			TCS26 100A	3		
120				TCS26 120A	5		
125				TCS26 125A	5		
150				TCS26 150A	5		

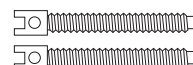
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200	0,25			TCS26 200A	5		
250				TCS26 250A	5		
300		TCS26 300A	5				

TCS32



- Transformer suitable for primary current by cable with maximum diameter 32 mm
- Minimum dimension between the cables 45 mm
- ATCS2C Sealable terminal covers on request

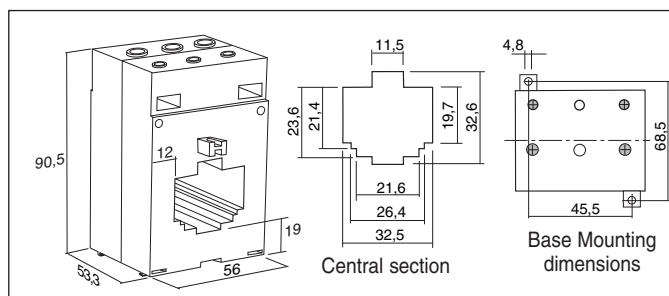
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,3			TCS32 100A	3		
120				TCS32 120A	3		
125				TCS32 125A	3		
150				TCS32 150A	3		
200		TCS32 200A	5				

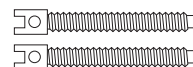
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
250	0,3			TCS32 250A	5		
300				TCS32 300A	5		
400				TCS32 400A	6		
500				TCS32 500A	10		
500				TCS32 500A	10		
600				TCS32 600A	10		

TCS33



- Transformer suitable for primary current by horizontal bar 29x9,5 - 29x10,5 - 29x12,5 - 30x5 - 30x6 - 30x8 - 30x10 - 2x30x5 - 2x32x5 mm or vertical bar: 32x5 mm
- Minimum dimension between the horizontal bars 45mm, between the vertical bars 35mm
- ATCS2C Sealable terminal covers on request

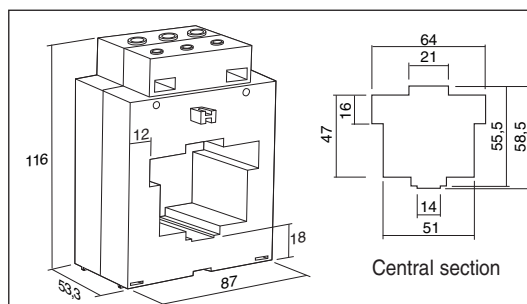
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,3			TCS33 100A	1,5		
120				TCS33 120A	1,5		
125				TCS33 125A	1,5		
150				TCS33 150A	2		
200				TCS33 200A	3		

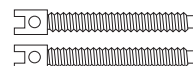
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
250	0,3			TCS33 250A	3,75		
300							
400		TCS33 300A	3,5				
500		TCS33 400A	3,5				
600		TCS33 500A	5				

TCS64



- Transformer suitable for primary current by horizontal bar 30x30 - 30x45 - 37x9,5 - 37x13 - 50x10 - 55x9,5 - 55x13 - 63x5 - 2x50x5 - 2x50x10 - 2x63x5 - 3x50x5 mm or vertical bar 50x5 - 2x50x5 - 2x50x10 - 3x50x5 mm
- Minimum dimension between horizontal bars 70 mm; between vertical bars 50 mm
- ATCS2C Sealable terminal covers on request

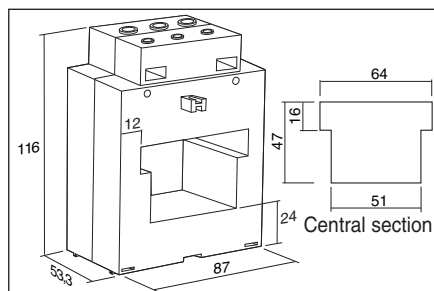
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200	0,5			TCS64 200A	2		
250				TCS64 250A	5		
300				TCS64 300A	5		
400		TCS64 400A	5				
500		TCS64 500A	10				

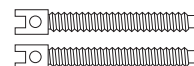
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
600	0,5	TCS64 600A	10				
800		TCS64 800A	10				
1000		TCS64 1K0A	15				
1200		TCS64 1K20A	15				
1250		TCS64 1K25A	15				

TCS647



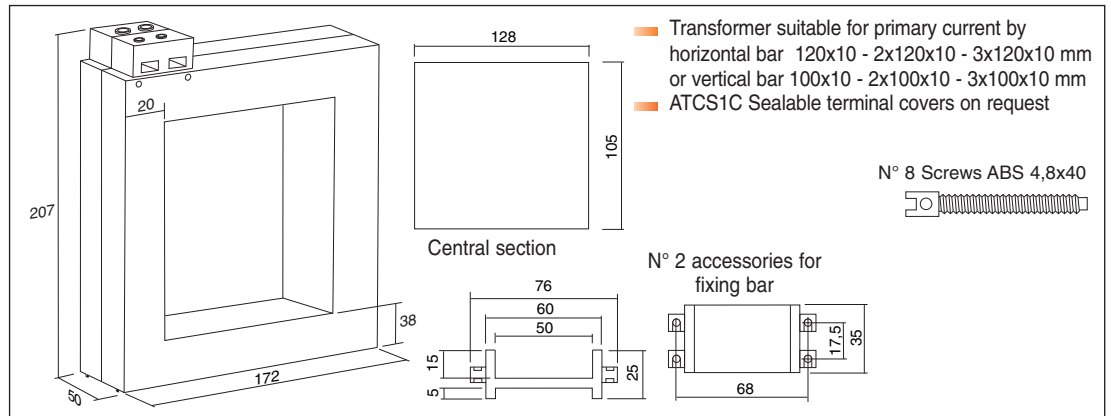
- Transformer suitable for primary current by horizontal bar 30x30 - 30x45 - 37x9,5 - 37x13 - 50x10 - 55x9,5 - 55x13 - 63x5 - 2x50x5 - 2x50x10 - 2x63x5 - 3x50x5 mm or vertical bar 40x5 - 2x40x5 - 2x40x10 - 3x40x5 mm
- Minimum dimension between horizontal bars 70 mm; between vertical bars 50 mm
- ATCS2C Sealable terminal covers on request

Screws ABS 4,8x40



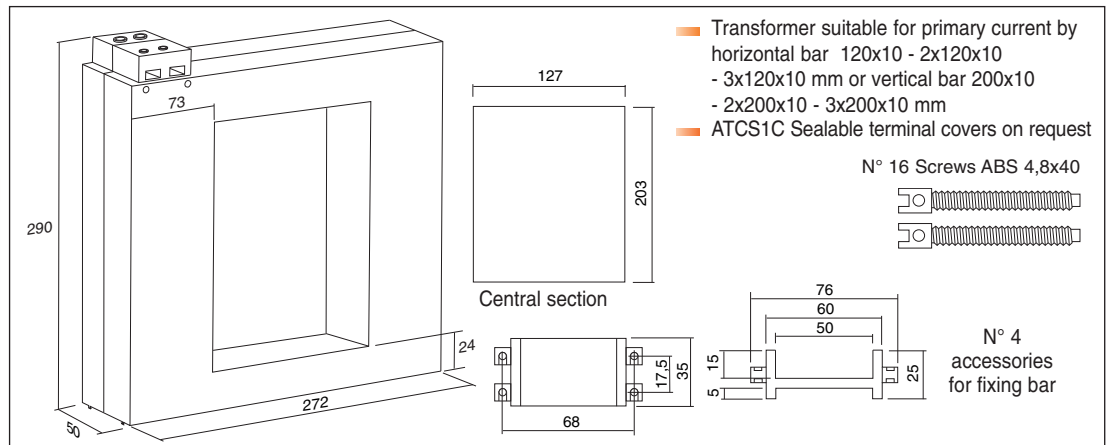
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
200	0,6			TCS647 200A	5								
250				TCS647 250A	5								
300				TCS647 300A	5								
400		TCS647 400A	5										
500		TCS647 500A	7,5										
600		TCS647 600A	7,5					TCS647 600A,2S	3	TCS647 600A,2	3	TCS647 600A,5S	10
800		TCS647 800A	10					TCS647 800A,2S	3	TCS647 800A,2	3	TCS647 800A,5S	10
1000		TCS647 1K0A	15					TCS647 1K0A,2S	3	TCS647 1K0A,2	4	TCS647 1K0A,5S	15
1200		TCS647 1K2A	15					TCS647 1K2A,2S	4	TCS647 1K2A,2	5	TCS647 1K2A,5S	15
1250		TCS647 1K25A	15					TCS647 1K25A,2S	4	TCS647 1K25A,2	5	TCS647 1K25A,5S	15
1500		TCS647 1K5A	15					TCS647 1K5A,2S	4	TCS647 1K5A,2	5	TCS647 1K5A,5S	15

TCS126



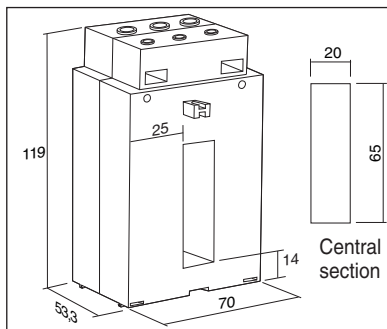
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
1000	1	TCS126 1K0A	10					TCS126 1K0A0,2S	3	TCS126 1K0A0,2	5	TCS126 1K0A0,5S	10
1200		TCS126 1K2A	10					TCS126 1K2A0,2S	4	TCS126 1K2A0,2	6	TCS126 1K2A0,5S	10
1250		TCS126 1K25A	10					TCS126 1K25A0,2S	4	TCS126 1K25A0,2	6	TCS126 1K25A0,5S	10
1500		TCS126 1K5A	15					TCS126 1K5A0,2S	5	TCS126 1K5A0,2	8	TCS126 1K5A0,5S	15
2000		TCS126 2K0A	15										
2500		TCS126 2K5A	15										

TCS200



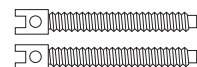
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
1000	1,6	TCS200 1K0A	10										
1200		TCS200 1K2A	15										
1250		TCS200 1K25A	15										
1500		TCS200 1K5A	15					TCS200 1K5A0,2S	3	TCS200 1K5A0,2	10	TCS200 1K5A0,5S	10
2000		TCS200 2K0A	20					TCS200 2K0A0,2S	5	TCS200 2K0A0,2	15	TCS200 2K0A0,5S	15
2500		TCS200 2K5A	30					TCS200 2K5A0,2S	10	TCS200 2K5A0,2	20	TCS200 2K5A0,5S	20
3000		TCS200 3K0A	30					TCS200 3K0A0,2S	15	TCS200 3K0A0,2	30	TCS200 3K0A0,5S	30
4000		TCS200 4K0A	30					TCS200 4K0A0,2S	20	TCS200 4K0A0,2	40	TCS200 4K0A0,5S	40
5000		TCS200 5K0A	30										
6000		TCS200 6K0A	30										

TCS65V



- Transformer suitable for primary current by vertical bar 2x63x5 - 3x63x5 mm
- Minimum dimension between the bars 45 mm
- ATCS2C Sealable terminal covers on request

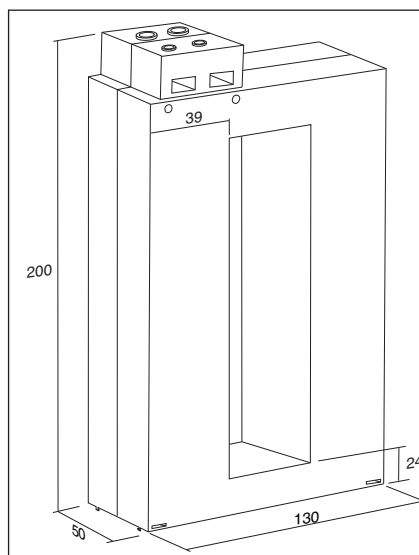
Screws ABS 4,8x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200	0,5	TCS65V 200A	1				
250		TCS65V 250A	1				
300		TCS65V 300A	3				
400		TCS65V 400A	5				
500		TCS65V 500A	10				

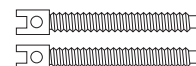
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
600	0,5	TCS65V 600A	10				
800		TCS65V 800A	10				
1000		TCS65V 1K0A	15				
1200		TCS65V 1K2A	15				
1250		TCS65V 1K25A	15				

TCS126V

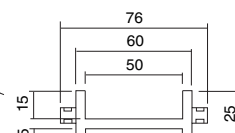
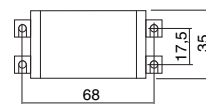


- Transformer suitable for primary current by vertical bar 2x80x5 - 2x80x10 - 3x80x5 - 5x80x5 - 2x100x5 - 3x100x5 - 4x100x5 - 100x10 - 2x100x10 - 5x100x5 - 3x120x10 - 2x125x5 mm
- Minimum dimension between the bars 75 mm
- ATCS1C Sealable terminal covers on request

N° 8 Screws ABS 4,8x40



Central section

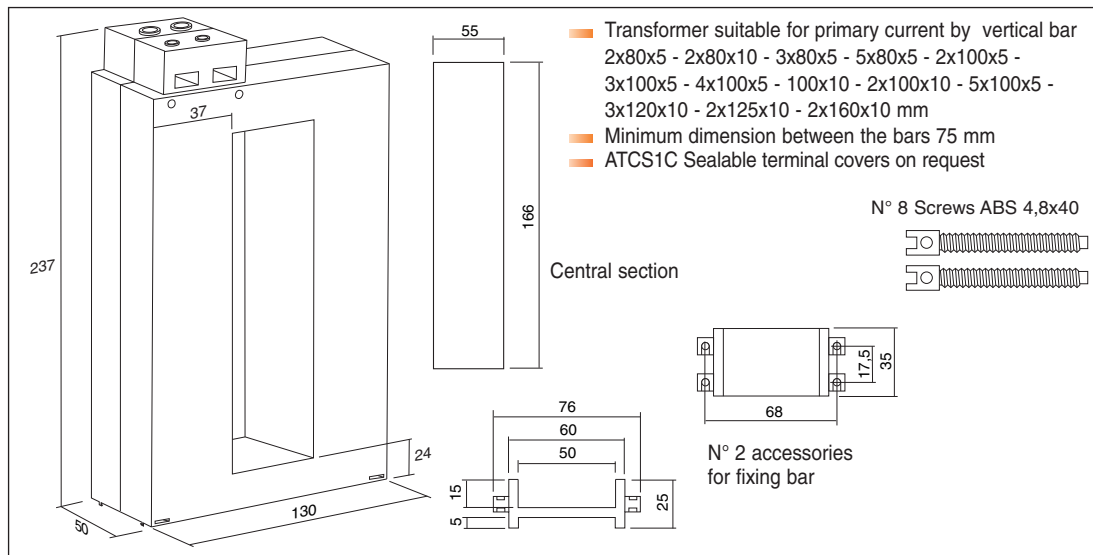


N° 2 accessories for fixing bar

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400	0,5	TCS126V 400A	5				
500		TCS126V 500A	10				
600		TCS126V 600A	10				
800		TCS126V 800A	10				
1000		TCS126V 1K0A	15				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1200	0,5	TCS126V 1K2A	15				
1250		TCS126V 1K25A	15				
1500		TCS126V 1K5A	20				
2000		TCS126V 2K0A	20				
2500		TCS126V 2K5A	20				

TCS166V



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1250		TCS166V 1K25A	20				
1500		TCS166V 1K5A	20				
2000		TCS166V 2K0A	20				
2500		TCS166V 2K5A	20				

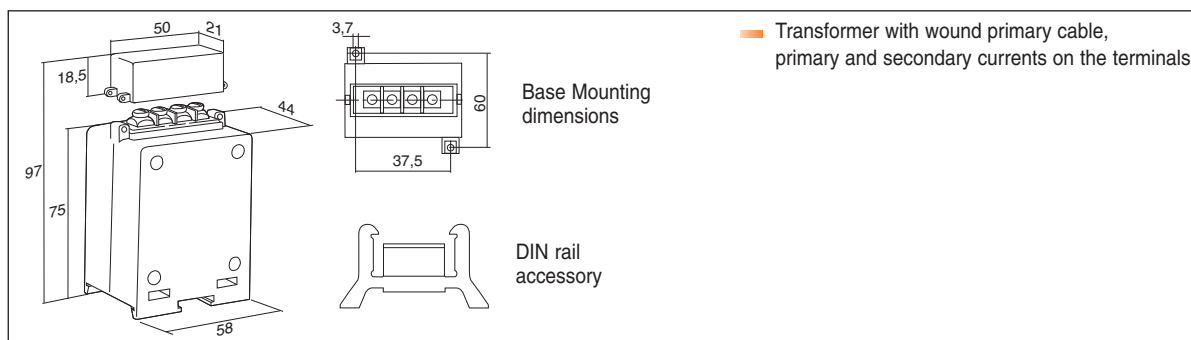
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
3000		TCS166V 3K0A	20				
4000		TCS166V 4K0A	30				
5000		TCS166V 5K0A	30				

STANDARD SERIES - CURRENT TRANSFORMERS

- The short circuit on terminals or the connection to earth can be achieved by the double fast-on or connecting two wires on the same terminal
- Sealable terminals cover included
- Different characteristics on request

- Fixing system: to wall or to DIN rail by accessories supplied together with the current transformer
- Secondary current 1A on request

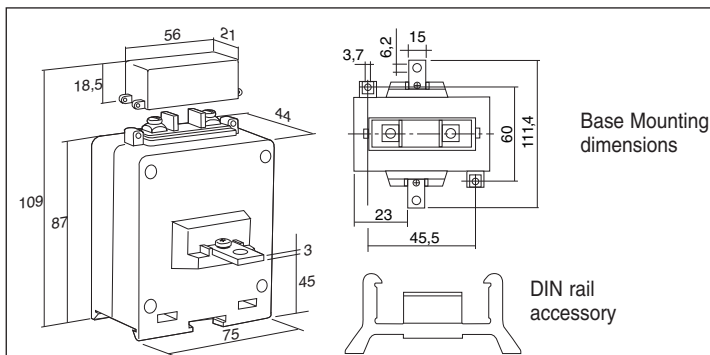
TARPDE1



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1	0,4			TARPDE1 1A	3		
5				TARPDE1 5A	3		
10				TARPDE1 10A	3		
15				TARPDE1 15A	3		

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
20	0,4			TARPDE1 20A	3		
25				TARPDE1 25A	3		
30				TARPDE1 30A	3		
40				TARPDE1 40A	3		

TARPDE2

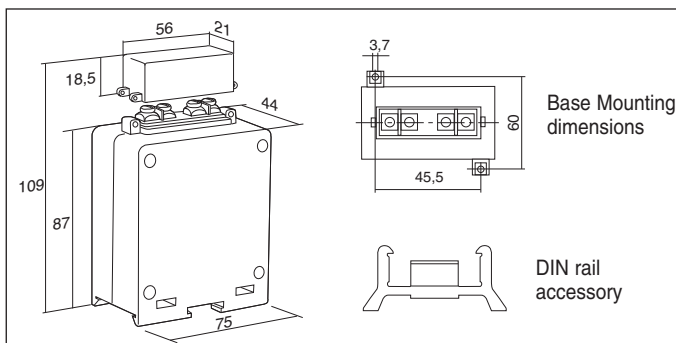


Transformer with wound primary cable, primary current by central incorporated bar 15x3 mm; secondary current on terminals

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
50	0,5			TARPDE2 50A	3		
60				TARPDE2 60A	3		
80				TARPDE2 80A	3		

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100	0,5			TARPDE2 100A	3		
125				TARPDE2 125A	3		
150				TARPDE2 150A	3		

TARPD1

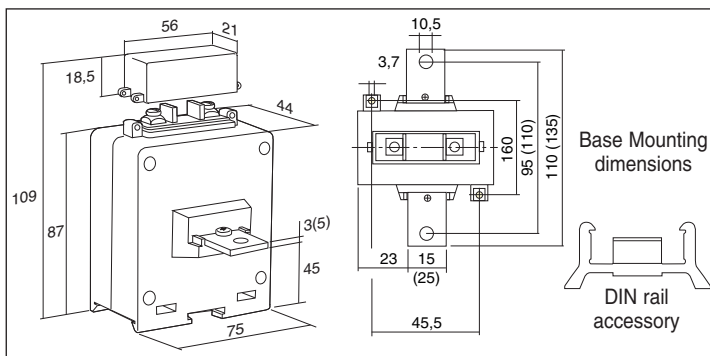


Transformer with wound primary cable, primary and secondary currents on the terminals

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1	0,5	TARPD1 1A	6				
5		TARPD1 5A	6				
10		TARPD1 10A	6				
15		TARPD1 15A	6				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
20	0,4	TARPD1 20A	6				
25		TARPD1 25A	6				
30		TARPD1 30A	6				
40		TARPD1 40A	6				

TARPD2

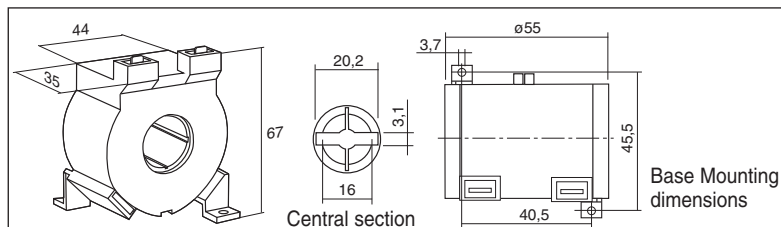


Transformer with wound primary cable, primary current by central incorporated bar:
 from 50A to 80A = 15x3x110 mm
 from 100A to 300A = 25x3x135 mm
 from 400A to 500A = 25x5x135 mm
 secondary current on terminals

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
50	0,5	TARPD2 50A	6				
60		TARPD2 60A	6				
80		TARPD2 80A	6				
100		TARPD2 100A	6				
125		TARPD2 125A	6				
150		TARPD2 150A	6				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200	0,5	TARPD2 200A	6				
250		TARPD2 250A	6				
300		TARPD2 300A	6				
400		TARPD2 400A	6				
500		TARPD2 500A	6				

TAR0

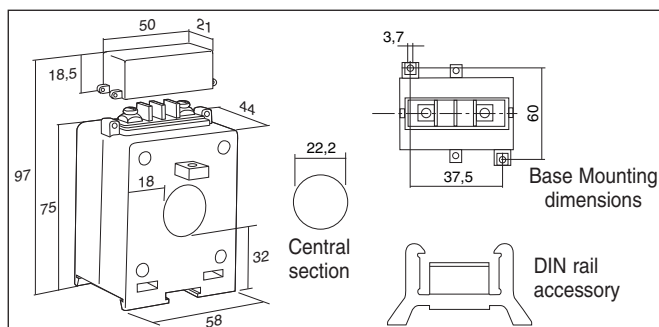


- Transformer suitable for primary current by cable with maximum diameter 15mm or by horizontal bar 20x3mm
- Fixing system:
 - to wall by accessories
 - directly to cable or bus bar the accessories are supplied together with the current transformer

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,25					TAR0 40A	2
50						TAR0 50A	2
60						TAR0 60A	3
80						TAR0 80A	3
100				TAR0 100A	3		

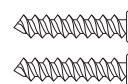
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
125	0,25	TAR0 125A	3				
150		TAR0 150A	3				
200		TAR0 200A	3				
250		TAR0 250A	5				

TAR1D



- Transformer suitable for primary current by cable with maximum diameter 20 mm
 - Fixing system:
 - to wall or to DIN rail by accessories
 - directly to cable by screws
- the accessories and the screws are supplied together with the current transformer

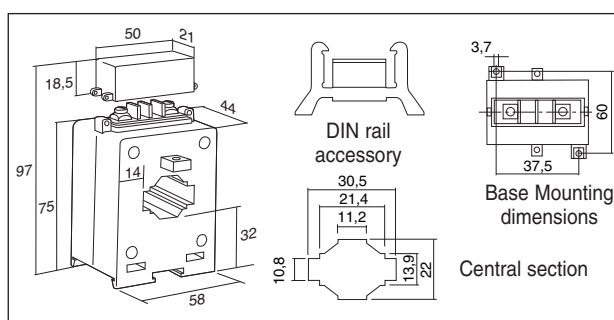
Screws M3,5x31



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40	0,3					TAR1D 40A	2
50						TAR1D 50A	3
60						TAR1D 60A	3
80						TAR1D 80A	3
100				TAR1D 100A	3		

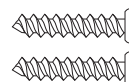
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
125	0,3	TAR1D 125A	3				
150		TAR1D 150A	3				
200		TAR1D 200A	3				
250		TAR1D 250A	5				

TAR3D



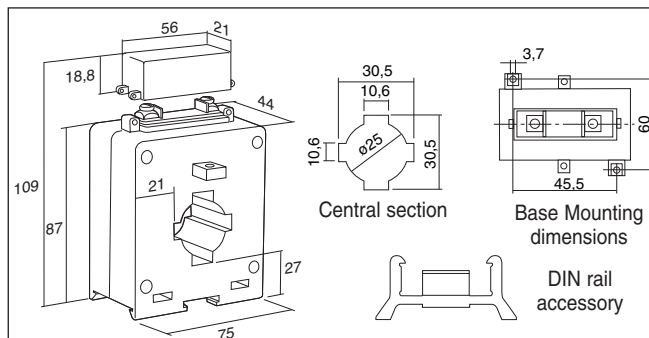
- Transformer suitable for primary current by cable with maximum diameter 21mm or by horizontal bar 20x10 - 30x10 mm; vertical bar 20x10 mm
 - Fixing system:
 - to wall or to DIN rail by accessories
 - directly to cable or bus bar by screws
- the accessories and the screws are supplied together with the current transformer

Screws M3,5x31



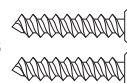
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
50	0,3					TAR3D 50A	2						
60						TAR3D 60A	2						
80						TAR3D 80A	3						
100				TAR3D 100A	2,5								
125		TAR3D 125A	2,5										
150		TAR3D 150A	3									TAR3D 150A	1,5
200		TAR3D 200A	3									TAR3D 200A	2
250		TAR3D 250A	5									TAR3D 250A	2
300		TAR3D 300A	5									TAR3D 300A	1,5
400		TAR3D 400A	6									TAR3D 400A	1,5
500		TAR3D 500A	6									TAR3D 500A	1,5
600		TAR3D 600A	6									TAR3D 600A	2

TAR4D3



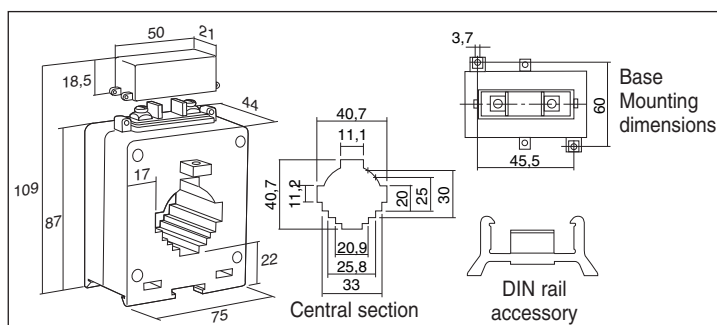
- Transformer suitable for primary current by cable with maximum diameter 21mm or by horizontal bar 20x10 - 30x10 mm; vertical bar 20x10 mm
- Fixing system:
 - to wall or to DIN rail by accessories
 - directly to cable or bus bar by screws
 the accessories and the screws are supplied together with the current transformer

Screws M3,5x38



A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
100	0,7	TAR4D3 100A	3					TAR4D3 100A0,2S	1,5	TAR4D3 100A0,2	1,5	TAR4D3 100A0,5S	2,5
125		TAR4D3 125A	3					TAR4D3 125A0,2S	1,5	TAR4D3 125A0,2	1,5	TAR4D3 125A0,5S	2,5
150		TAR4D3 150A	5					TAR4D3 150A0,2S	1,5	TAR4D3 150A0,2	1,5	TAR4D3 150A0,5S	3,5
200		TAR4D3 200A	6					TAR4D3 200A0,2S	1,5	TAR4D3 200A0,2	1,5	TAR4D3 200A0,5S	5
250	0,5	TAR4D3 250A	10					TAR4D3 250A0,2S	1,5	TAR4D3 250A0,2	1,5	TAR4D3 250A0,5S	5
300		TAR4D3 300A	10					TAR4D3 300A0,2S	1,5	TAR4D3 300A0,2	1,5	TAR4D3 300A0,5S	7,5
400		TAR4D3 400A	10					TAR4D3 400A0,2S	1,5	TAR4D3 400A0,2	1,5	TAR4D3 400A0,5S	10
500		TAR4D3 500A	10										
600		TAR4D3 600A	10										

TAR4D



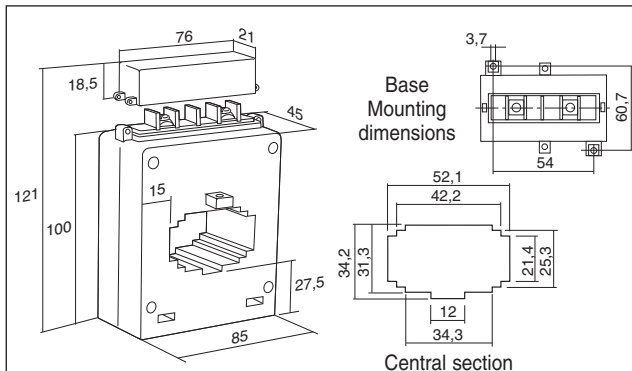
- Transformer suitable for primary current by cable with maximum diameter 32mm or by horizontal bar 25x20 - 30x25 - 40x10; vertical bar 20x25 - 30x20 - 40x10 mm
- Fixing system:
 - to wall or to DIN rail by accessories
 - directly to cable or bus bar by screws
 the accessories and the screws are supplied together with the current transformer

Screws M3,5x38



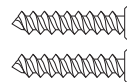
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
150	0,5			TAR4D 150A	3							TAR4D 150A0,5S	1
200				TAR4D 200A	4			TAR4D 200A0,2S	1,5	TAR4D 200A0,2	1,5	TAR4D 200A0,5S	1,5
250				TAR4D 250A	6			TAR4D 250A0,2S	2	TAR4D 250A0,2	2	TAR4D 250A0,5S	2
300		TAR4D 300A	6					TAR4D 300A0,2S	2	TAR4D 300A0,2	2	TAR4D 300A0,5S	2
400		TAR4D 400A	10					TAR4D 400A0,2S	3	TAR4D 400A0,2	3	TAR4D 400A0,5S	3
500		TAR4D 500A	10					TAR4D 500A0,2S	3	TAR4D 500A0,2	3	TAR4D 500A0,5S	3
600		TAR4D 600A	10					TAR4D 600A0,2S	3	TAR4D 600A0,2	4	TAR4D 600A0,5S	4
750		TAR4D 750A	10					TAR4D 750A0,2S	4	TAR4D 750A0,2	4	TAR4D 750A0,5S	5
800		TAR4D 800A	10					TAR4D 800A0,2S	4	TAR4D 800A0,2	4	TAR4D 800A0,5S	5

TAR5



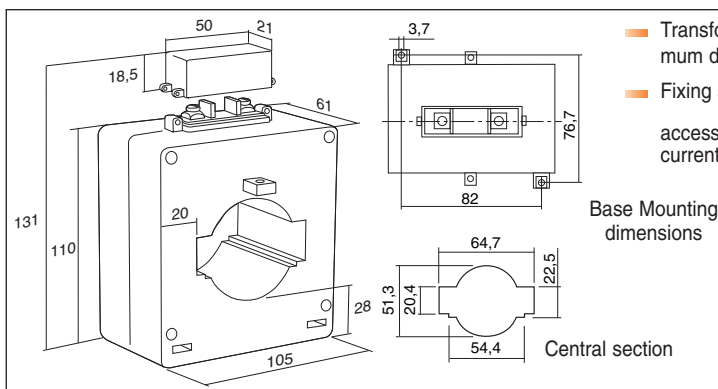
- Transformer suitable for primary current by cable with maximum diameter 30 mm or by horizontal bar 30x30 - 40x25 - 50x20 mm; vertical bar 30x10 mm
- Fixing system:
 - to wall or DIN rail by accessories
 - directly to cable or bus bar by screws the accessory and the screws are supplied together with the current transformer

Screws M3,5x38



A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
200	0,5			TAR5 200A	4								
250		TAR5 250A	3					TAR5 250A0,2S	2	TAR5 250A0,2	2	TAR5 250A0,5S	2
300		TAR5 300A	4					TAR5 300A0,2S	2	TAR5 300A0,2	2	TAR5 300A0,5S	2
400		TAR5 400A	6					TAR5 400A0,2S	3	TAR5 400A0,2	3	TAR5 400A0,5S	3
500		TAR5 500A	10					TAR5 500A0,2S	3	TAR5 500A0,2	3	TAR5 500A0,5S	3
600		TAR5 600A	10					TAR5 600A0,2S	3	TAR5 600A0,2	4	TAR5 600A0,5S	4
750		TAR5 750A	10					TAR5 750A0,2S	3	TAR5 750A0,2	4	TAR5 750A0,5S	4
800		TAR5 800A	10					TAR5 800A0,2S	4	TAR5 800A0,2	4	TAR5 800A0,5S	5
1000		TAR5 1K0A	10					TAR5 1K0A0,2S	5	TAR5 1K0A0,2	5	TAR5 1K0A0,5S	5
1200		TAR5 1K2A	10					TAR5 1K2A0,2S	6	TAR5 1K2A0,2	6	TAR5 1K2A0,5S	6
1500		TAR5 1K5A	20					TAR5 1K5A0,2S	6	TAR5 1K5A0,2	6	TAR5 1K5A0,5S	6

TAR6



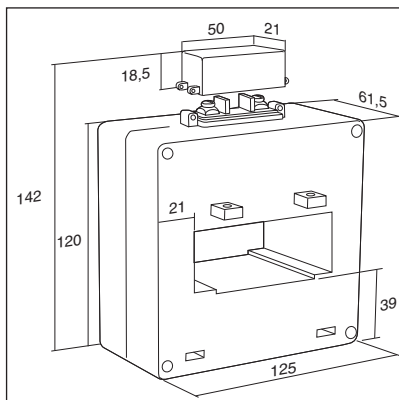
- Transformer suitable for primary current by cable with maximum diameter 50mm or by horizontal bar 50x20 - 60x20 mm
- Fixing system:
 - to wall by accessories
 - directly to cable or bus bar by screws the accessories and the screws are supplied together with the current transformer

Screws M3,5x38



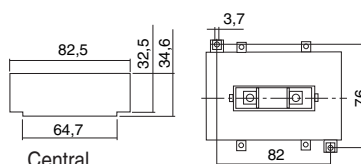
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
400	1	TAR6 400A	6										
500		TAR6 500A	6										
600		TAR6 600A	10					TAR6 600A0,2S	4	TAR6 600A0,2	5	TAR6 600A0,5S	6
750		TAR6 750A	10					TAR6 750A0,2S	4	TAR6 750A0,2	5	TAR6 750A0,5S	6
800		TAR6 800A	10					TAR6 800A0,2S	4	TAR6 800A0,2	5	TAR6 800A0,5S	6
1000	0,7	TAR6 1K0A	10					TAR6 1K0A0,2S	5	TAR6 1K0A0,2	5	TAR6 1K0A0,5S	6
1200		TAR6 1K2A	15					TAR6 1K2A0,2S	5	TAR6 1K2A0,2	5	TAR6 1K2A0,5S	6
1500		TAR6 1K5A	20					TAR6 1K5A0,2S	5	TAR6 1K5A0,2	5	TAR6 1K5A0,5S	6
1600		TAR6 1K6A	20					TAR6 1K6A0,2S	5	TAR6 1K6A0,2	5	TAR6 1K6A0,5S	6
2000		TAR6 2K0A	20										
2500	1	TAR6 2K5A	20										

TAR8



Transformer suitable for primary current by two cables with maximum diameter 30mm each or by horizontal bar 60x30 - 80x30 mm

Fixing system: directly to cable or bus bar by screws supplied together with the current transformer



Central section

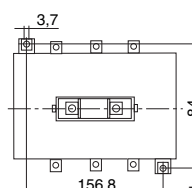
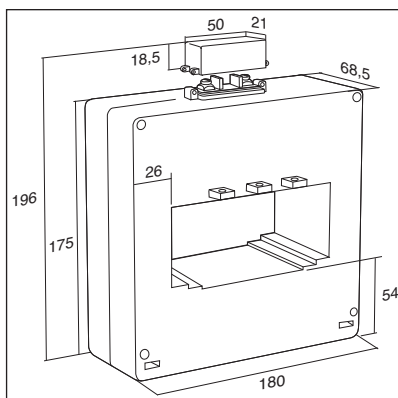
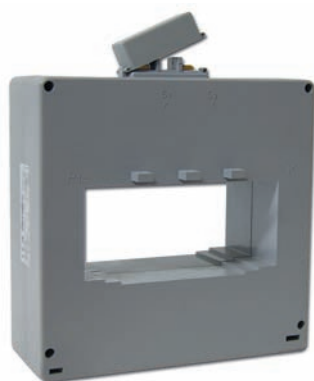
Base Mounting dimensions

Screws M3,5x38



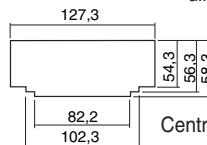
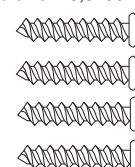
A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
400	0,8	TAR8 400A	6										
500	1	TAR8 500A	10										
600		TAR8 600A	10										
750		TAR8 750A	10										
800		TAR8 800A	10										
1000	0,7	TAR8 1K0A	10					TAR8 1K0A0,2S	5	TAR8 1K0A0,2	5	TAR8 1K0A0,5S	6
1200	1	TAR8 1K2A	15					TAR8 1K2A0,2S	5	TAR8 1K2A0,2	5	TAR8 1K2A0,5S	6
1500		TAR8 1K5A	20					TAR8 1K5A0,2S	5	TAR8 1K5A0,2	5	TAR8 1K5A0,5S	6
1600		TAR8 1K6A	20					TAR8 1K6A0,2S	10	TAR8 1K6A0,2	10	TAR8 1K6A0,5S	15
2000		TAR8 2K0A	20					TAR8 2K0A0,2S	10	TAR8 2K0A0,2	10	TAR8 2K0A0,5S	15
2500	1,5	TAR8 2K5A	20					TAR8 2K5A0,2S	10	TAR8 2K5A0,2	10	TAR8 2K5A0,5S	15
3000		TAR8 3K0A	20					TAR8 3K0A0,2S	10	TAR8 3K0A0,2	10	TAR8 3K0A0,5S	15

TAR12



Base Mounting dimensions

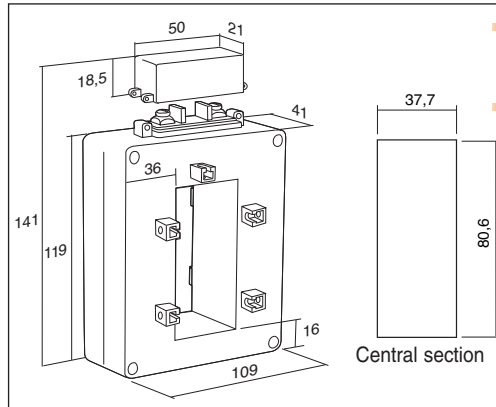
Screws M3,5x38



Central section

A	kg	class 0,5		class 1		class 3		class 0,2S		class 0,2		class 0,5S	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA	code	VA	code	VA
500	1,5	TAR12 500A	10										
600		TAR12 600A	10										
750		TAR12 750A	10										
800		TAR12 800A	15										
1000		TAR12 1K0A	20										
1200		TAR12 1K2A	20										
1500	1,6	TAR12 1K5A	20					TAR12 1K5A0,2S	10	TAR12 1K5A0,2	10	TAR12 1K5A0,5S	20
1600		TAR12 1K6A	20					TAR12 1K6A0,2S	10	TAR12 1K6A0,2	10	TAR12 1K6A0,5S	25
2000		TAR12 2K0A	30					TAR12 2K0A0,2S	15	TAR12 2K0A0,2	15	TAR12 2K0A0,5S	30
2500		TAR12 2K5A	40					TAR12 2K5A0,2S	20	TAR12 2K5A0,2	20	TAR12 2K5A0,5S	35
3000	2	TAR12 3K0A	40					TAR12 3K0A0,2S	20	TAR12 3K0A0,2	20	TAR12 3K0A0,5S	40
4000		TAR12 4K0A	50					TAR12 4K0A0,2S	30	TAR12 4K0A0,2	30	TAR12 4K0A0,5S	50

TAR8V



- Transformer suitable for primary current by two cables with maximum diameter 35mm each or by vertical bar 80x30 - 2x80x5 - 2x80x10 - 3x80x5 mm
- Fixing system: directly to cable or bus bar by bolts supplied together with the current transformer

n. 8 Nuts
M4



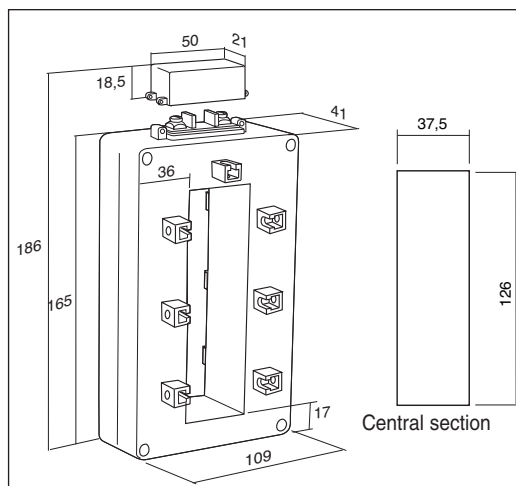
n. 8 Bolts
M4x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400	0,7	TAR8V 400A	6				
500		TAR8V 500A	10				
600		TAR8V 600A	10				
750		TAR8V 750A	10				
800		TAR8V 800A	10				
1000		TAR8V 1K0A	10				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1200	0,7	TAR8V 1K2A	10				
1500		TAR8V 1K5A	10				
1600		TAR8V 1K6A	12				
2000		TAR8V 2K0A	20				
2500		TAR8V 2K5A	20				

TAR12V



- Transformer suitable for primary current by three cables with maximum diameter 35mm each or by vertical bar 100x10 - 2x100x5 - 2x100x10 - 3x100x5 - 3x100x10 - 4x100x5 - 125x30 - 2x125x5 - 3x125x5 - 4x125x5 mm
- Fixing system: directly to cable or bus bar by bolts supplied together with the current transformer

n. 12 Nuts
M4



n. 12 Bolts
M4x40



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
800	0,7	TAR12V 800A	10				
1000		TAR12V 1K0A	10				
1200		TAR12V 1K2A	10				
1500		TAR12V 1K5A	12				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1600	1	TAR12V 1K6A	12				
2000		TAR12V 2K0A	15				
2500		TAR12V 2K5A	20				

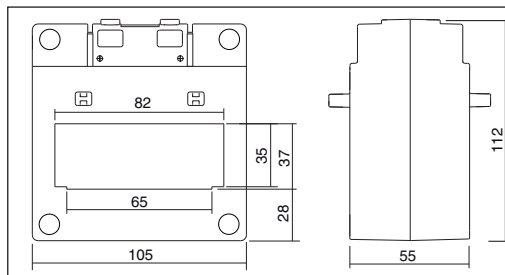
PROTECTION CURRENT TRANSFORMERS

The C.T. when used as a current generator for protection relays has electrical characteristics which differ from those of the measuring transformer. Infact the measuring C.T. is expected to give a saturation of the magnetic circuit with 5P in primary currents while, in the case of protective C.T., it is necessary for the secondary current value to follow the increase in the primary current up to 10-15-20 In, so as to guarantee the intervention of the relay in the case of unforeseen breakdown current. It is important not to load the C.T. with a P performance which is greater than

that indicated, so as not to modify the saturation value of the C.T. $P=RI^2$ where:
P= load on the C.T. R= resistance of the relay + resistance of the cables I= nominal secondary current of the C.T.

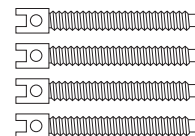
- Sealable terminals cover included
- Different characteristics on request
- Secondary current 1A on request

TCSN8/P



- Transformer suitable for primary current by horizontal bar 60x30 and 80x30 mm

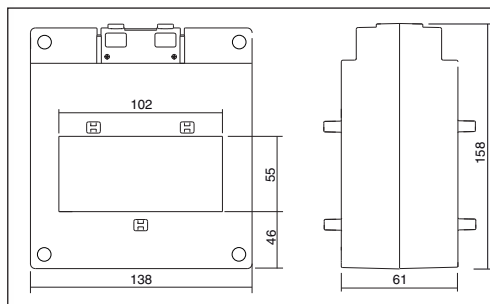
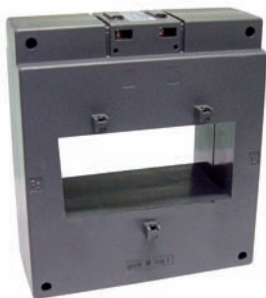
Black screws ABS 4,8x40



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1200	0,5	TCSN8/P 1K2A 5P5	20	TCSN8/P 1K2A 5P10	15
1500		TCSN8/P 1K5A 5P5	20	TCSN8/P 1K5A 5P10	15
2000		TCSN8/P 2K0A 5P5	20	TCSN8/P 2K0A 5P10	15
2500		TCSN8/P 2K5A 5P5	22	TCSN8/P 2K5A 5P10	17
3000		TCSN8/P 3K0A 5P5	25	TCSN8/P 3K0A 5P10	20

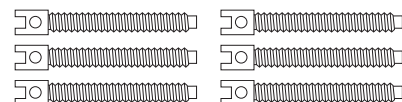
A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1200	0,5	TCSN8/P 1K2A 5P15	7	TCSN8/P 1K2A 5P20	5
1500		TCSN8/P 1K5A 5P15	7	TCSN8/P 1K5A 5P20	5
2000		TCSN8/P 2K0A 5P15	7	TCSN8/P 2K0A 5P20	5
2500		TCSN8/P 2K5A 5P15	8	TCSN8/P 2K5A 5P20	6
3000		TCSN8/P 3K0A 5P15	10	TCSN8/P 3K0A 5P20	7

TCSN103/P



- Transformer suitable for primary current by 3 horizontal bars 100x10 mm

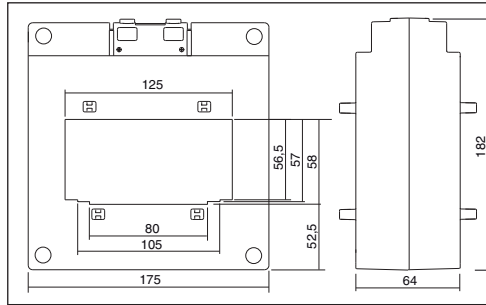
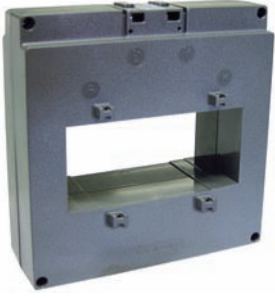
Black screws ABS 4,8x40



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1200	0,5	TCSN103/P 1K2A 5P5	20	TCSN103/P 1K2A 5P10	15
1500		TCSN103/P 1K5A 5P5	20	TCSN103/P 1K5A 5P10	15
2000		TCSN103/P 2K0A 5P5	20	TCSN103/P 2K0A 5P10	15
2500		TCSN103/P 2K5A 5P5	22	TCSN103/P 2K5A 5P10	17
3000		TCSN103/P 3K0A 5P5	25	TCSN103/P 3K0A 5P10	20
4000		TCSN103/P 4K0A 5P5	25	TCSN103/P 4K0A 5P10	20

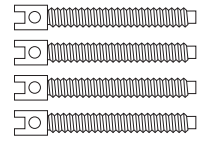
A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1200	0,5	TCSN103/P 1K2A 5P15	13	TCSN103/P 1K2A 5P20	10
1500		TCSN103/P 1K5A 5P15	13	TCSN103/P 1K5A 5P20	10
2000		TCSN103/P 2K0A 5P15	13	TCSN103/P 2K0A 5P20	10
2500		TCSN103/P 2K5A 5P15	15	TCSN103/P 2K5A 5P20	12
3000		TCSN103/P 3K0A 5P15	15	TCSN103/P 3K0A 5P20	12
4000		TCSN103/P 4K0A 5P15	15	TCSN103/P 4K0A 5P20	12

TCSN12/P



Transformer suitable for primary current by horizontal bar 80x50, 100x50 and 125x50 mm

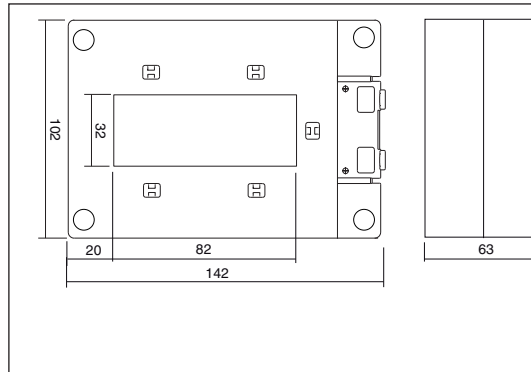
Black screws ABS 4,8x40



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN12/P 2K0A 5P5	22	TCSN12/P 2K0A 5P10	17
2500		TCSN12/P 2K5A 5P5	25	TCSN12/P 2K5A 5P10	20
3000		TCSN12/P 3K0A 5P5	30	TCSN12/P 3K0A 5P10	25
4000		TCSN12/P 4K0A 5P5	35	TCSN12/P 4K0A 5P10	30

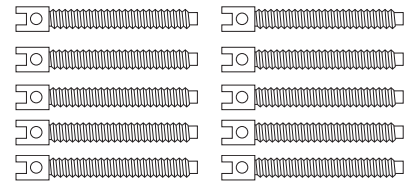
A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN12/P 2K0A 5P15	8	TCSN12/P 2K0A 5P20	5
2500		TCSN12/P 2K5A 5P15	10	TCSN12/P 2K5A 5P20	6
3000		TCSN12/P 3K0A 5P15	12	TCSN12/P 3K0A 5P20	7
4000		TCSN12/P 4K0A 5P15	15	TCSN12/P 4K0A 5P20	8

TCSN8V/P



Transformer suitable for primary current by vertical bar 30x80 mm

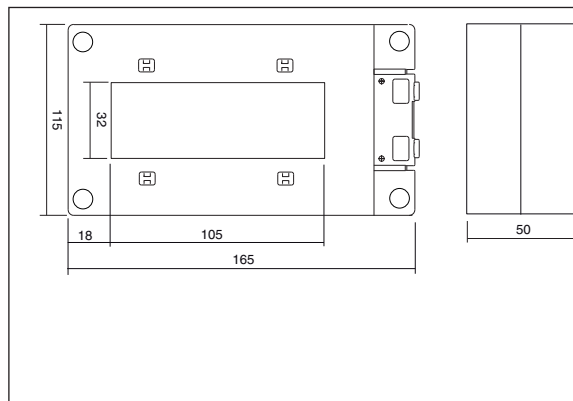
Black screws ABS 4,8x40



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1200	0,5	TCSN8V/P 1K2A 5P5	20	TCSN8V/P 1K2A 5P10	15
1500		TCSN8V/P 1K5A 5P5	20	TCSN8V/P 1K5A 5P10	15
2000		TCSN8V/P 2K0A 5P5	22	TCSN8V/P 2K0A 5P10	17
2500		TCSN8V/P 2K5A 5P5	25	TCSN8V/P 2K5A 5P10	20

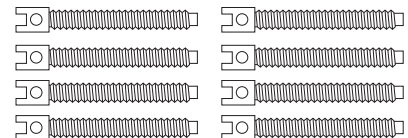
A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1200	0,5	TCSN8V/P 1K2A 5P15	8	TCSN8V/P 1K2A 5P20	5
1500		TCSN8V/P 1K5A 5P15	8	TCSN8V/P 1K5A 5P20	5
2000		TCSN8V/P 2K0A 5P15	10	TCSN8V/P 2K0A 5P20	7
2500		TCSN8V/P 2K5A 5P15	12	TCSN8V/P 2K5A 5P20	8

TCSN10V3/P



Transformer suitable for primary current by vertical bar 30x100 mm

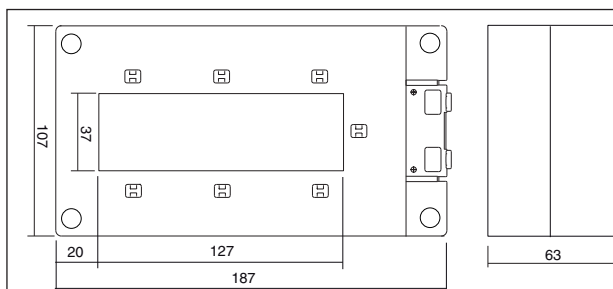
Black screws ABS 4,8x40



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1500	0,5	TCSN10V3/P 1K5A 5P5	20	TCSN10V3/P 1K5A 5P10	15
2000		TCSN10V3/P 2K0A 5P5	20	TCSN10V3/P 2K0A 5P10	15
2500		TCSN10V3/P 2K5A 5P5	25	TCSN10V3/P 2K5A 5P10	20
3000		TCSN10V3/P 3K0A 5P5	25	TCSN10V3/P 3K0A 5P10	20
4000		TCSN10V3/P 4K0A 5P5	35	TCSN10V3/P 4K0A 5P10	30

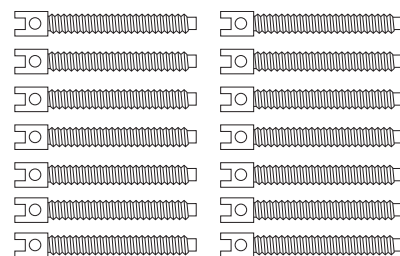
A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1500	0,5	TCSN10V3/P 1K5A 5P15	8	TCSN10V3/P 1K5A 5P20	5
2000		TCSN10V3/P 0K0A 5P15	8	TCSN10V3/P 2K0A 5P20	5
2500		TCSN10V3/P 2K5A 5P15	12	TCSN10V3/P 2K5A 5P20	7
3000		TCSN10V3/P 3K0A 5P15	12	TCSN10V3/P 3K0A 5P20	7
4000		TCSN10V3/P 4K0A 5P15	15	TCSN10V3/P 4K0A 5P20	8

TCSN12V/P



Transformer suitable for primary current by vertical bar 35x125 mm

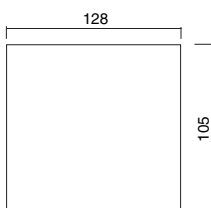
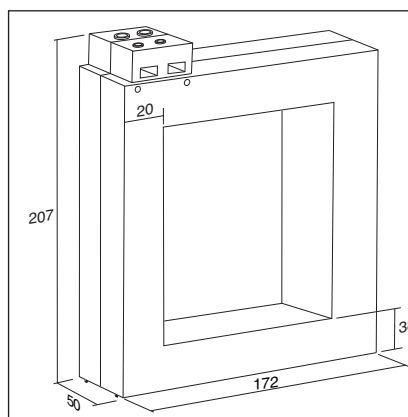
Black screws ABS 4,8x40



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN12V/P 2K0A 5P5	25	TCSN12V/P 2K0A 5P10	20
2500		TCSN12V/P 2K5A 5P5	25	TCSN12V/P 2K5A 5P10	20
3000		TCSN12V/P 3K0A 5P5	35	TCSN12V/P 3K0A 5P10	30
4000		TCSN12V/P 4K0A 5P5	35	TCSN12V/P 4K0A 5P10	30

A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN12V/P 2K0A 5P15	15	TCSN12V/P 2K0A 5P20	10
2500		TCSN12V/P 2K5A 5P15	15	TCSN12V/P 2K5A 5P20	10
3000		TCSN12V/P 3K0A 5P15	20	TCSN12V/P 3K0A 5P20	15
4000		TCSN12V/P 4K0A 5P15	20	TCSN12V/P 4K0A 5P20	15

TCS126/P



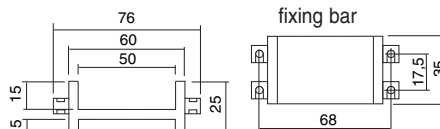
Central section

Transformer suitable for primary current by horizontal bar 120x10 - 2x120x10 - 3x120x10 mm or vertical bar 100x10 - 2x100x10 - 3x100x10 mm
ATCS1C Sealable terminal covers on request

N° 8 Screws ABS 4,8x40



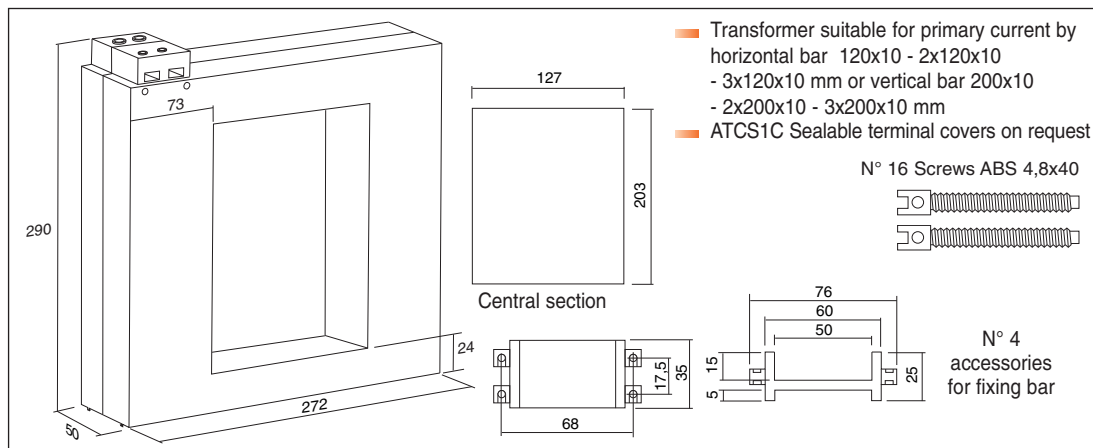
N° 2 accessories for fixing bar



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1500	0,5	TCS126/P 1K5A 5P5	20	TCS126/P 1K5A 5P10	15
2000		TCS126/P 2K0A 5P5	20	TCS126/P 2K0A 5P10	15
2500		TCS126/P 2K5A 5P5	25	TCS126/P 2K5A 5P10	20
3000		TCS126/P 3K0A 5P5	25	TCS126/P 3K0A 5P10	20
4000		TCS126/P 4K0A 5P5	35	TCS126/P 4K0A 5P10	30

A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
1500	0,5	TCS126/P 1K5A 5P15	8	TCS126/P 1K5A 5P20	5
2000		TCS126/P 2K0A 5P15	8	TCS126/P 2K0A 5P20	5
2500		TCS126/P 2K5A 5P15	12	TCS126/P 2K5A 5P20	7
3000		TCS126/P 3K0A 5P15	12	TCS126/P 3K0A 5P20	7
4000		TCS126/P 4K0A 5P15	15	TCS126/P 4K0A 5P20	8

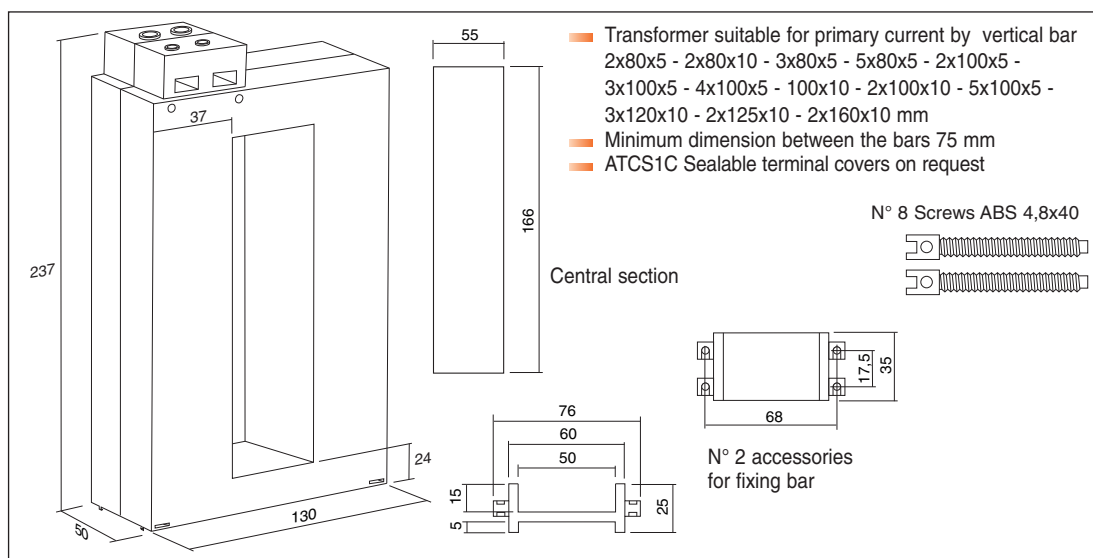
TCS200/P



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCS200/P 2K0A 5P5	25	TCS200/P 2K0A 5P10	20
2500		TCS200/P 2K5A 5P5	25	TCS200/P 2K5A 5P10	20
3000		TCS200/P 3K0A 5P5	30	TCS200/P 3K0A 5P10	25
4000		TCS200/P 4K0A 5P5	35	TCS200/P 4K0A 5P10	30
5000		TCS200/P 5K0A 5P5	45	TCS200/P 5K0A 5P10	40
6000		TCS200/P 6K0A 5P5	45	TCS200/P 6K0A 5P10	40

A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCS200/P 2K0A 5P15	10	TCS200/P 2K0A 5P20	6
2500		TCS200/P 2K5A 5P15	10	TCS200/P 2K5A 5P20	6
3000		TCS200/P 3K0A 5P15	12	TCS200/P 3K0A 5P20	7
4000		TCS200/P 4K0A 5P15	15	TCS200/P 4K0A 5P20	8
5000		TCS200/P 5K0A 5P15	20	TCS200/P 5K0A 5P20	10
6000		TCS200/P 6K0A 5P15	20	TCS200/P 6K0A 5P20	10

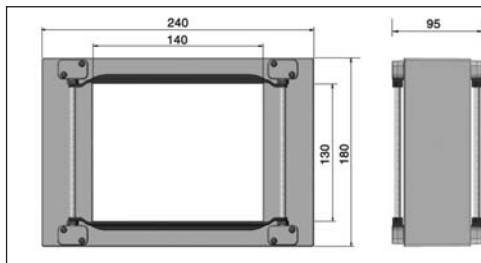
TCS166V/P



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCS166V/P 2K0A 5P5	15	TCS166V/P 2K0A 5P10	10
2500		TCS166V/P 2K5A 5P5	15	TCS166V/P 2K5A 5P10	10
3000		TCS166V/P 3K0A 5P5	20	TCS166V/P 3K0A 5P10	15
4000		TCS166V/P 4K0A 5P5	25	TCS166V/P 4K0A 5P10	20
5000		TCS166V/P 5K0A 5P5	25	TCS166V/P 5K0A 5P10	20

A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCS166V/P 2K0A 5P15	6	TCS166V/P 2K0A 5P20	4
2500		TCS166V/P 2K5A 5P15	6	TCS166V/P 2K5A 5P20	4
3000		TCS166V/P 3K0A 5P15	8	TCS166V/P 3K0A 5P20	5
4000		TCS166V/P 4K0A 5P15	10	TCS166V/P 4K0A 5P20	6
5000		TCS166V/P 5K0A 5P15	10	TCS166V/P 5K0A 5P20	6

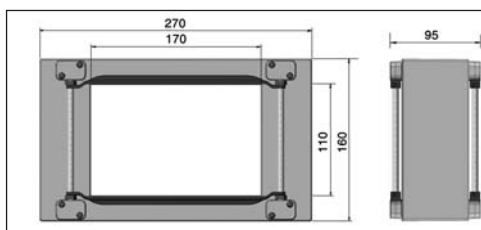
TCSN1117/P



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN1117/P 2K0A 5P5	35	TCSN1117/P 2K0A 5P10	30
2500		TCSN1117/P 2K5A 5P5	35	TCSN1117/P 2K5A 5P10	30
3000		TCSN1117/P 3K0A 5P5	45	TCSN1117/P 3K0A 5P10	40
4000		TCSN1117/P 4K0A 5P5	45	TCSN1117/P 4K0A 5P10	40
5000		TCSN1117/P 5K0A 5P5	65	TCSN1117/P 5K0A 5P10	60
6000		TCSN1117/P 6K0A 5P5	65	TCSN1117/P 6K0A 5P10	60

A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN1117/P 2K0A 5P15	17	TCSN1117/P 2K0A 5P20	10
2500		TCSN1117/P 2K5A 5P15	17	TCSN1117/P 2K5A 5P20	10
3000		TCSN1117/P 3K0A 5P15	25	TCSN1117/P 3K0A 5P20	15
4000		TCSN1117/P 4K0A 5P15	25	TCSN1117/P 4K0A 5P20	15
5000		TCSN1117/P 5K0A 5P15	35	TCSN1117/P 5K0A 5P20	20
6000		TCSN1117/P 6K0A 5P15	35	TCSN1117/P 6K0A 5P20	20

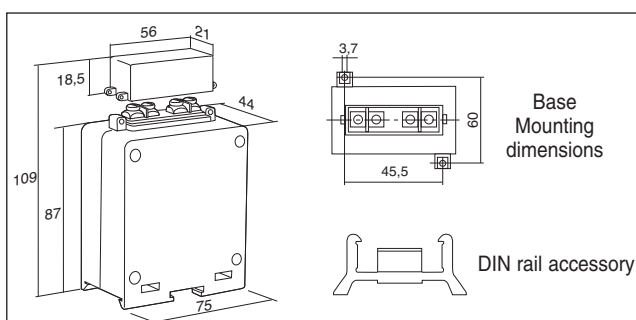
TCSN1314/P



A	kg	class 5P5		class 5P10	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN1314/P 2K0A 5P5	35	TCSN1314/P 2K0A 5P10	30
2500		TCSN1314/P 2K5A 5P5	35	TCSN1314/P 2K5A 5P10	30
3000		TCSN1314/P 3K0A 5P5	45	TCSN1314/P 3K0A 5P10	40
4000		TCSN1314/P 4K0A 5P5	45	TCSN1314/P 4K0A 5P10	40
5000		TCSN1314/P 5K0A 5P5	65	TCSN1314/P 5K0A 5P10	60
6000		TCSN1314/P 6K0A 5P5	65	TCSN1314/P 6K0A 5P10	60

A	kg	class 5P15		class 5P20	
primary current	weight	Secondary current 5A		Secondary current 5A	
		code	VA	code	VA
2000	0,5	TCSN1314/P 2K0A 5P15	17	TCSN1314/P 2K0A 5P20	10
2500		TCSN1314/P 2K5A 5P15	17	TCSN1314/P 2K5A 5P20	10
3000		TCSN1314/P 3K0A 5P15	25	TCSN1314/P 3K0A 5P20	15
4000		TCSN1314/P 4K0A 5P15	25	TCSN1314/P 4K0A 5P20	15
5000		TCSN1314/P 5K0A 5P15	35	TCSN1314/P 5K0A 5P20	20
6000		TCSN1314/P 6K0A 5P15	35	TCSN1314/P 6K0A 5P20	20

TARPD1/P

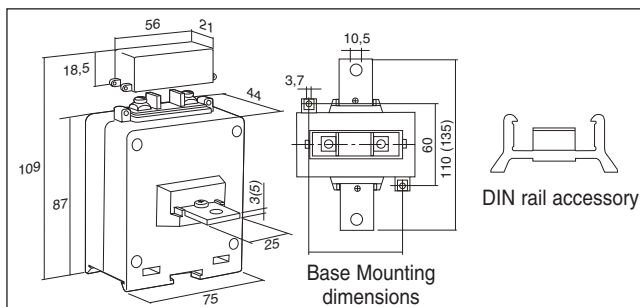


- Transformer with wound primary cable, primary and secondary currents on the terminals
- Fixing system: to wall or DIN rail by accessories supplied together with the current transformer

A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
5	0,5	TARPD1/P 5A 5P5	4	TARPD1/P 5A 5P10	2
10		TARPD1/P 10A 5P5	4	TARPD1/P 10A 5P10	2
15		TARPD1/P 15A 5P5	4	TARPD1/P 15A 5P10	2
20		TARPD1/P 20A 5P5	4	TARPD1/P 20A 5P10	2

A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
25	0,5	TARPD1/P 25A 5P5	4	TARPD1/P 25A 5P10	2
30		TARPD1/P 30A 5P5	4	TARPD1/P 30A 5P10	2
40		TARPD1/P 40A 5P5	4	TARPD1/P 40A 5P10	2

TARPD2/P

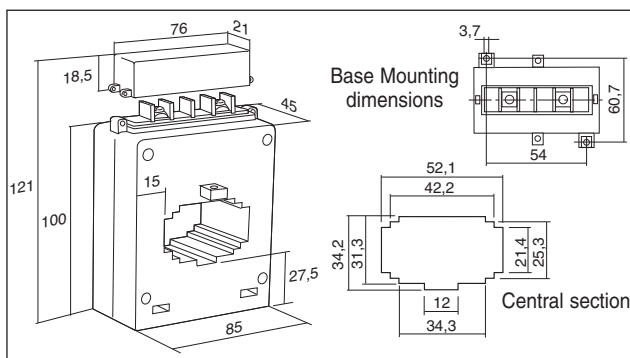


- Transformer with wound primary cable, primary current by central incorporated bar:
from 50A to 80A = 15x3x110 mm
from 100A to 300A = 25x3x135 mm
from 400A to 500A = 25x5x135 mm
secondary current on terminals
- Fixing system:
to wall or DIN rail by accessories supplied together with the current transformer

A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
50	0,5	TARPD2/P 50A 5P5	4	TARPD2/P 50A 5P10	2
60		TARPD2/P 60A 5P5	4	TARPD2/P 60A 5P10	2
80		TARPD2/P 80A 5P5	4	TARPD2/P 80A 5P10	2
100		TARPD2/P 100A 5P5	4	TARPD2/P 100A 5P10	2
150		TARPD2/P 150A 5P5	4	TARPD2/P 150A 5P10	2

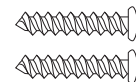
A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
200	0,5	TARPD2/P 200A 5P5	4	TARPD2/P 200A 5P10	2
250		TARPD2/P 250A 5P5	4	TARPD2/P 250A 5P10	2
300		TARPD2/P 300A 5P5	4	TARPD2/P 300A 5P10	2
400		TARPD2/P 400A 5P5	4	TARPD2/P 400A 5P10	2
500		TARPD2/P 500A 5P5	4	TARPD2/P 500A 5P10	2

TAR5/P



- Transformer suitable for primary current by cable with maximum diameter 30mm or by horizontal bar 30x30 - 40x25 - 50x20 mm; vertical bar 30x10 mm
- Fixing system:
- to wall or DIN rail by accessories
- directly to cable or bus bar by screw
the accessory and the screws are supplied together with the current transformer

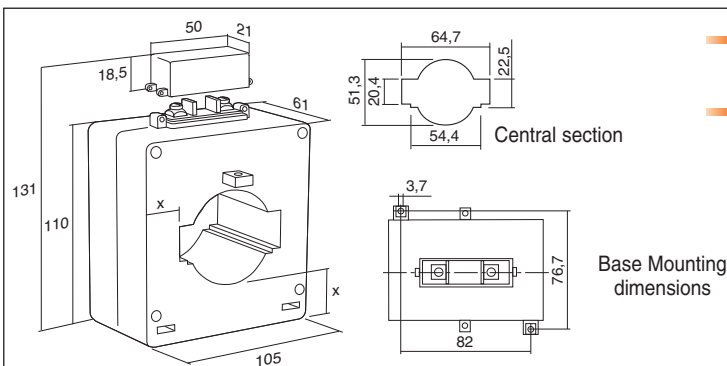
Screws M3,5x38



A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
250	0,6	TAR5/P 250A 5P5	4	TAR5/P 250A 5P10	2
300		TAR5/P 300A 5P5	4	TAR5/P 300A 5P10	2
400		TAR5/P 400A 5P5	4	TAR5/P 400A 5P10	2
500		TAR5/P 500A 5P5	4	TAR5/P 500A 5P10	2

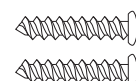
A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
600	0,5	TAR5/P 600A 5P5	4	TAR5/P 600A 5P10	2
800		TAR5/P 800A 5P5	4	TAR5/P 800A 5P10	2
1000	0,4	TAR5/P 1K0A 5P5	4	TAR5/P 1K0A 5P10	2

TAR6/P



- Transformer suitable for primary current by cable with maximum diameter 50mm or by horizontal bar 50x20 - 60x20 mm
- Fixing system:
- to wall by accessories
- directly to cable or bus bar by screws the accessories and the screws are supplied together with the current transformer

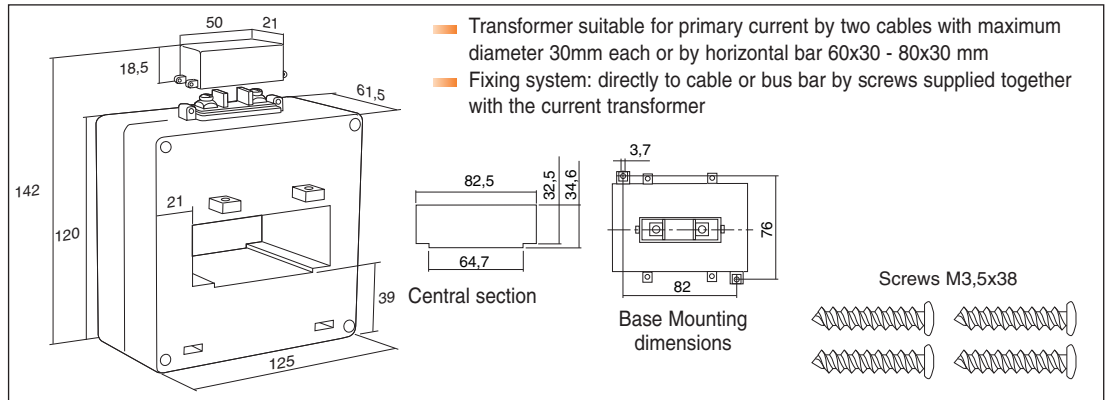
Screws M3,5x38



A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
250	1	TAR6/P 250A 5P5	5	TAR6/P 250A 5P10	2
300		TAR6/P 300A 5P5	5	TAR6/P 300A 5P10	3
400		TAR6/P 400A 5P5	8	TAR6/P 400A 5P10	4
500		TAR6/P 500A 5P5	8	TAR6/P 500A 5P10	4
600		TAR6/P 600A 5P5	8	TAR6/P 600A 5P10	4

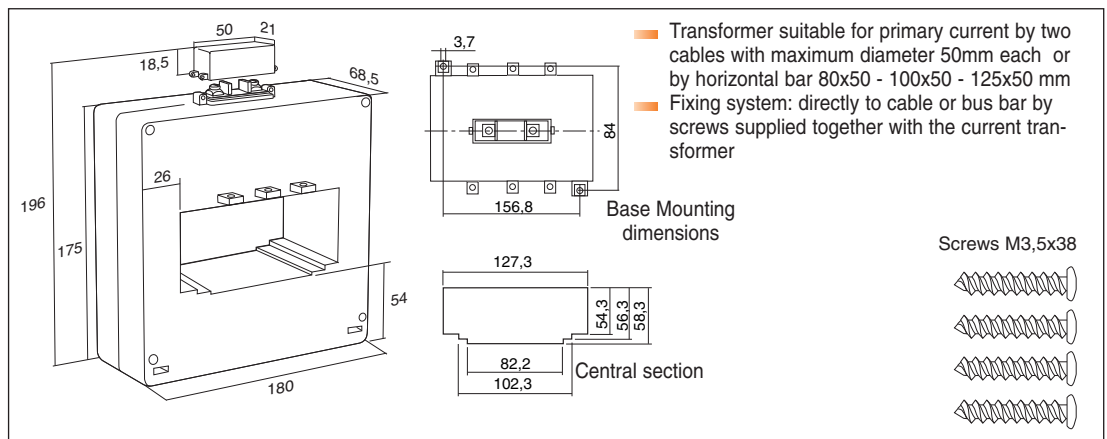
A	kg	class 5P5		class 5P10	
primary current	weight	secondary current 5A		secondary current 5A	
		code	VA	code	VA
800	0,7	TAR6/P 800A 5P5	15	TAR6/P 800A 5P10	5
1000		TAR6/P 1K0A 5P5	20	TAR6/P 1K0A 5P10	6
1200	0,6	TAR6/P 1K2A 5P5	20	TAR6/P 1K2A 5P10	6
1500		TAR6/P 1K5A 5P5	30	TAR6/P 1K5A 5P10	10

TAR8/P



A	kg	class 5P5		class 5P10		class 5P15		class 5P20	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA
300	0,7	TAR8/P 300A 5P5	5	TAR8/P 300A 5P10	3	TAR8/P 300A 5P15	1,5	TAR8/P 300A 5P20	1
400		TAR8/P 400A 5P5	6	TAR8/P 400A 5P10	3	TAR8/P 400A 5P15	1,5	TAR8/P 400A 5P20	1
500	0,9	TAR8/P 500A 5P5	15	TAR8/P 500A 5P10	4	TAR8/P 500A 5P15	4	TAR8/P 500A 5P20	2
600		TAR8/P 600A 5P5	20	TAR8/P 600A 5P10	5	TAR8/P 600A 5P15	4	TAR8/P 600A 5P20	2
800	0,7	TAR8/P 800A 5P5	20	TAR8/P 800A 5P10	5	TAR8/P 800A 5P15	6	TAR8/P 800A 5P20	3
1000		TAR8/P 1K0A 5P5	20	TAR8/P 1K0A 5P10	5	TAR8/P 1K0A 5P15	5	TAR8/P 1K0A 5P20	2
1200	1	TAR8/P 1K2A 5P5	30	TAR8/P 1K2A 5P10	6	TAR8/P 1K2A 5P15	6	TAR8/P 1K2A 5P20	3
1500		TAR8/P 1K5A 5P5	20	TAR8/P 1K5A 5P10	6	TAR8/P 1K5A 5P15	2	TAR8/P 1K5A 5P20	1
2000	1,2	TAR8/P 2K0A 5P5	12	TAR8/P 2K0A 5P10	6	TAR8/P 2K0A 5P15	5	TAR8/P 2K0A 5P20	3
2500		TAR8/P 2K5A 5P5	15	TAR8/P 2K5A 5P10	8	TAR8/P 2K5A 5P15	6	TAR8/P 2K5A 5P20	4

TAR12/P



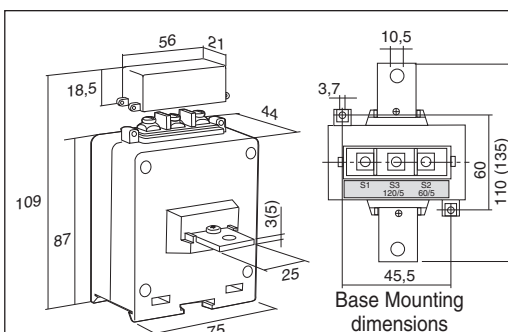
A	kg	class 5P5		class 5P10		class 5P15		class 5P20	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA	code	VA
400	1,4	TAR12/P 400A 5P5	8	TAR12/P 400A 5P10	4	TAR12/P 400A 5P15	3	TAR12/P 400A 5P20	2
500		TAR12/P 500A 5P5	8	TAR12/P 500A 5P10	4	TAR12/P 500A 5P15	3	TAR12/P 500A 5P20	2
600		TAR12/P 600A 5P5	8	TAR12/P 600A 5P10	4	TAR12/P 600A 5P15	3	TAR12/P 600A 5P20	2
800		TAR12/P 800A 5P5	12	TAR12/P 800A 5P10	6	TAR12/P 800A 5P15	4	TAR12/P 800A 5P20	3
1000	1,45	TAR12/P 1K0A 5P5	15	TAR12/P 1K0A 5P10	8	TAR12/P 1K0A 5P15	6	TAR12/P 1K0A 5P20	4
1200		TAR12/P 1K2A 5P5	20	TAR12/P 1K2A 5P10	10	TAR12/P 1K2A 5P15	6	TAR12/P 1K2A 5P20	5
1500		TAR12/P 1K5A 5P5	20	TAR12/P 1K5A 5P10	10	TAR12/P 1K5A 5P15	6	TAR12/P 1K5A 5P20	5
2000		TAR12/P 2K0A 5P5	25	TAR12/P 2K0A 5P10	12	TAR12/P 2K0A 5P15	8	TAR12/P 2K0A 5P20	6
2500	1,6	TAR12/P 2K5A 5P5	30	TAR12/P 2K5A 5P10	15	TAR12/P 2K5A 5P15	10	TAR12/P 2K5A 5P20	8
3000		TAR12/P 3K0A 5P5	40	TAR12/P 3K0A 5P10	20	TAR12/P 3K0A 5P15	15	TAR12/P 3K0A 5P20	10
4000		TAR12/P 4K0A 5P5	50	TAR12/P 4K0A 5P10	25	TAR12/P 4K0A 5P15	15	TAR12/P 4K0A 5P20	12

STANDARD SERIES - DUAL RATIO CURRENT TRANSFORMERS

- Dual ratio on secondary: S1-S2 low value, S1-S3 high value
- Different characteristics on request

- Sealable terminals cover included
- Secondary current 1A on request

TARPD2/2



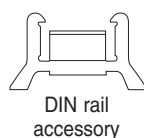
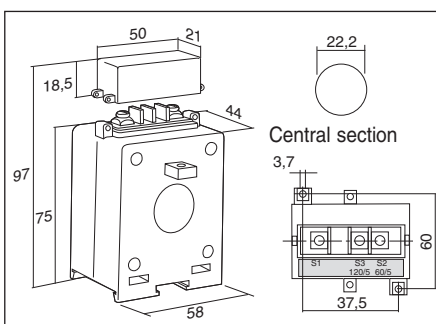
- Transformer with wound primary cable, primary current by central incorporated bar 25x3 mm up to 300A
25x5 mm from 400 to 500A
secondary current on terminals
- Fixing system: to wall or to DIN rail by accessories supplied together with the current transformer



A	kg	class 0,5	
primary current	weight	secondary current 5A	
		code	VA
5-10	0,6	TARPD2/2 5-10A	5-15
10-20		TARPD2/2 10-20A	5-15
15-30		TARPD2/2 15-30A	5-15
20-40		TARPD2/2 20-40A	5-15
25-50		TARPD2/2 25-50A	5-15
30-60		TARPD2/2 30-60A	5-15
40-80		TARPD2/2 40-80A	5-15

A	kg	class 0,5	
primary current	weight	secondary current 5A	
		code	VA
50-100	0,6	TARPD2/2 50-100A	5-15
60-120		TARPD2/2 60-120A	5-15
80-160		TARPD2/2 80-160A	5-15
100-200		TARPD2/2 100-200A	5-15
150-300		TARPD2/2 150-300A	5-15
200-400		TARPD2/2 200-400A	5-15
250-500		TARPD2/2 250-500A	5-15

TAR1D/2



- Transformer suitable for primary current by cable with maximum diameter 20mm
- Fixing system: - to wall or DIN rail by accessories
- directly to cable by the accessories
and the screws are supplied together with the current transformer

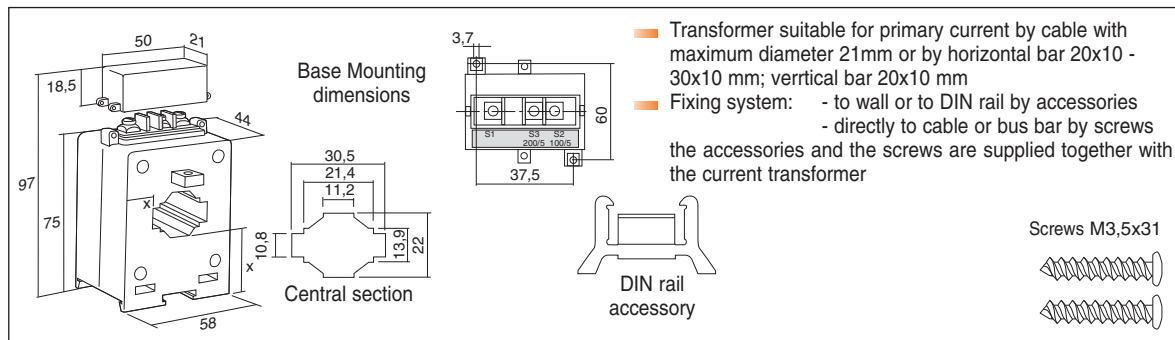
Screws M3,5x38



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
40-80	0,3					TAR1D/2 40-80A	3-3
50-100						TAR1D/2 50-100A	3-3
60-120						TAR1D/2 60-120A	3-3
80-160						TAR1D/2 80-160A	3-3

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100-200	0,3			TAR1D/2 100-200A	3-6		
150-300		TAR1D/2 150-300A	3-6				
200-400		TAR1D/2 200-400A	3-6				
250-500		TAR1D/2 250-500A	5-10				

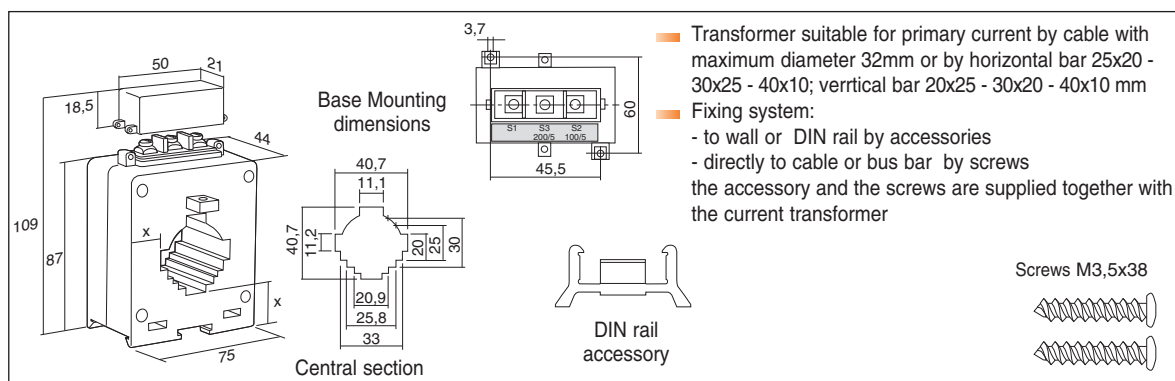
TAR3D/2



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100-200 150-300 200-400	0,3	TAR3D/2 150-300A	3-6	TAR3D/2 100-200A	3-6		
		TAR3D/2 200-400A	3-6				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
250-500	0,3	TAR3D/2 250-500A	5-10				
300-600			5-10				

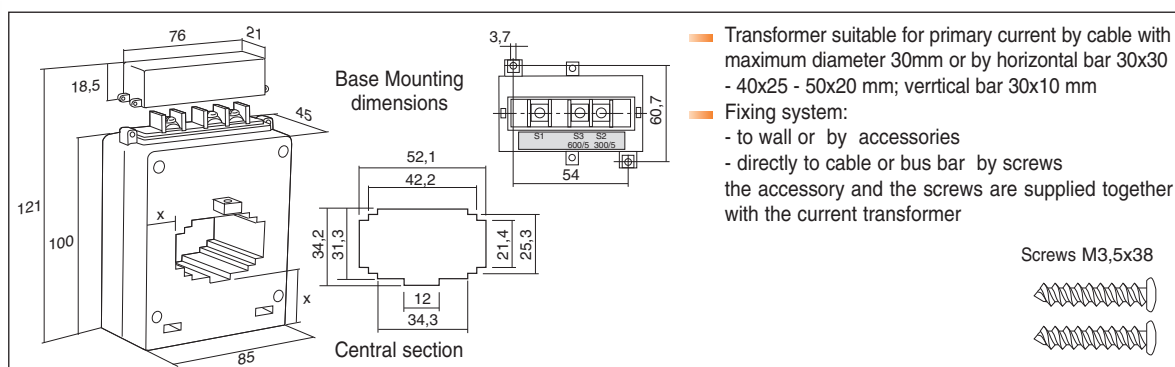
TAR4D/2



A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
100-200	0,5	TAR4D/2 100-200A	3-6	TAR4D/2 150-300A	3-6		
150-300			3-6		3-6		
200-400			4-8				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
250-500	0,5	TAR4D/2 250-500A	6-10				
300-600			6-10				
400-800			6-10				

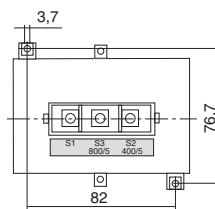
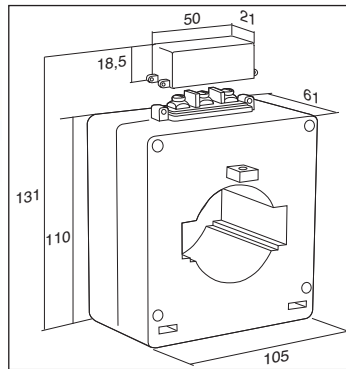
TAR5/2



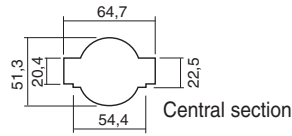
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
200-400	0,6	TAR5/2 250-500A	4-6	TAR5/2 200-400A	4-6		
250-500			4-6				
300-600			4-8				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400-800	0,4	TAR5/2 400-800A	6-10				
500-1000			6-10				

TAR6/2

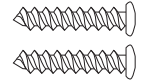


Base Mounting dimensions



Central section

Screws M3,5x38

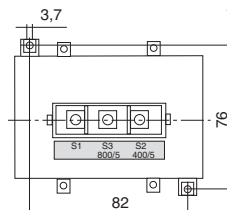
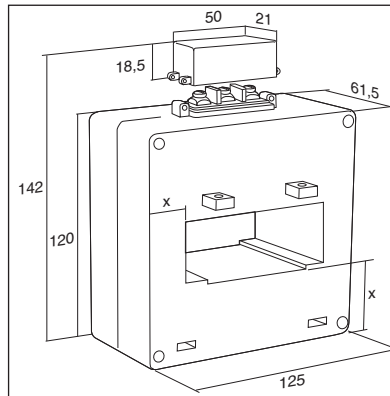


- Transformer suitable for primary current by cable with maximum diameter 50mm or by horizontal bar 50x20 - 60x20 mm
 - Fissaggio:
 - to wall by accessories
 - directly to cable or bus bar by screws
- the accessories and the screws are supplied together with the current transformer

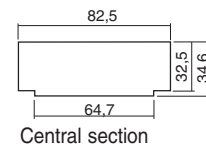
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
250-500	1,3	TAR6/2 250-500A	5-10				
300-600		TAR6/2 300-600A	5-10				
400-800		TAR6/2 400-800A	6-12				
500-1000		TAR6/2 500-1K0A	10-20				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
600-1200	1	TAR6/2 600-1K2A	10-20				
800-1600		TAR6/2 800-1K6A	10-20				
1000-2000		TAR6/2 1K0-2K0A	10-20				

TAR8/2

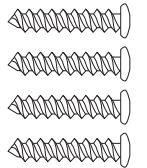


Base Mounting dimensions



Central section

Screws M3,5x38

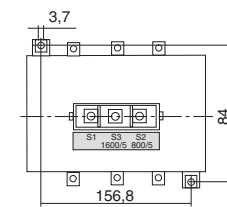
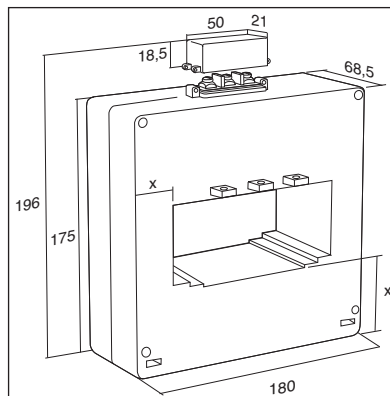
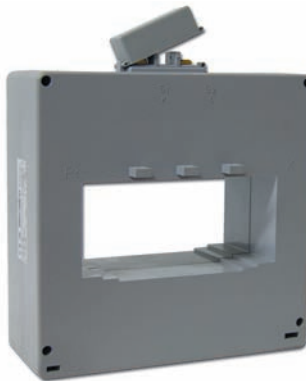


- Transformer suitable for primary current by two cables with maximum diameter 30mm each or by horizontal bar 60x30 - 80x30 mm
- Fixing system: directly to cable or bus bar by screws supplied together with the current transformer

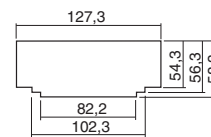
A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
400-800	1,2	TAR8/2 400-800A	6-12				
500-1000		TAR8/2 500-1K0A	10-20				
600-1200		TAR8/2 600-1K2A	10-20				
800-1600		TAR8/2 800-1K6A	10-20				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1000-2000	1,2	TAR8/2 1K0-2K0A	10-20				
1200-2400		TAR8/2 1K2-2K4A	15-30				
1500-3000		TAR8/2 1K5-3K0A	20-40				

TAR12/2

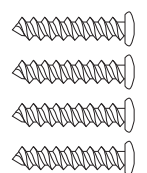


Base Mounting dimensions



Central section

Screws M3,5x38



- Transformer suitable for primary current by two cables with maximum diameter 50mm each or by horizontal bar 80x50 - 100x50 - 125x50 mm
- Fixing system: directly to cable or bus bar by screws supplied together with the current transformer

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
800-1600	1,5	TAR12/2 800-1K6A	15-30				
1000-2000		TAR12/2 1K0-2K0A	20-40				
1200-2400		TAR12/2 1K2-2K4A	20-40				

A	kg	class 0,5		class 1		class 3	
primary current	weight	secondary current 5A		secondary current 5A		secondary current 5A	
		code	VA	code	VA	code	VA
1500-3000	2	TAR12/2 1K5-3K0A	20-40				
2000-4000		TAR12/2 2K0-4K0A	30-60				

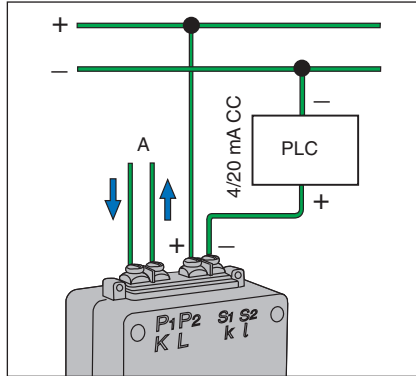
STANDARD SERIES - 4/20 mA DC OUTPUT CURRENT TRANSFORMERS

- Auxiliary power supply 20.....30VDC
- Resistive load 300 ohm max at 24VDC
- Testing voltage: 0,72kV/3kV
- Response time 500 ms

- Frequency 50/60 Hz
- Sealable terminals cover included
- Different characteristics on request

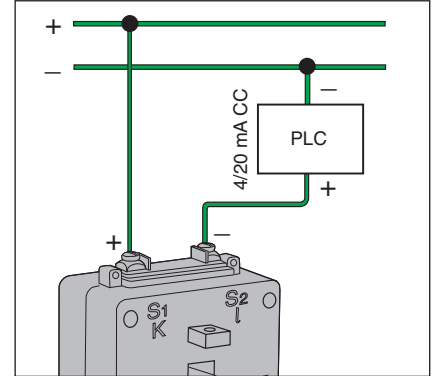
CONNECTION DIAGRAM FOR TMAPD1

Auxiliary power supply
20.....30VDC

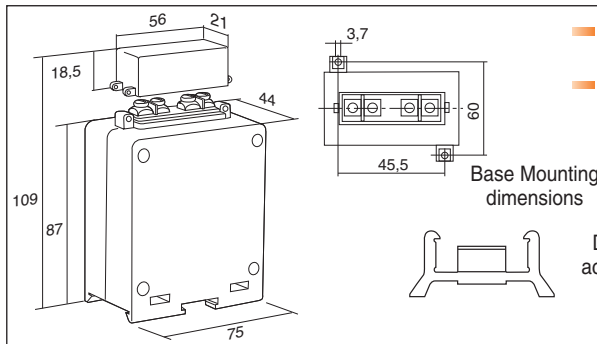


CONNECTION DIAGRAM FOR OTHER TMA...

Auxiliary power supply
20.....30VDC



TMAPD1

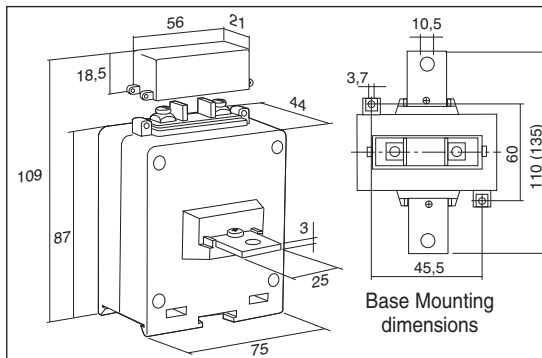


- Transformer with wound primary cable, primary and secondary currents on the terminals
- Fixing system: to wall or DIN rail by accessories supplied together with the current transformer

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
1	0,5	TMAPD1-1/4-20MA
5		TMAPD1-5/4-20MA
10		TMAPD1-10/4-20MA
15		TMAPD1-15/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
20	0,5	TMAPD1-20/4-20MA
25		TMAPD1-25/4-20MA
40		TMAPD1-40/4-20MA

TMAPD2

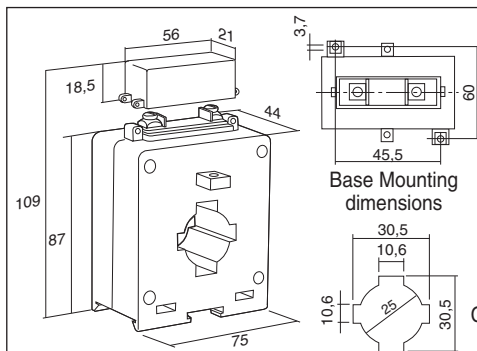


- Transformer with wound primary cable, primary current by central incorporated bar 25x3 mm up to 300A, 25x5 mm from 400 to 500A, secondary current on terminals
- Fixing system: to wall or DIN rail by accessories supplied together with the current transformer

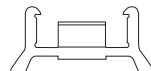
A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
50	0,5	TMAPD2-50/4-20MA
60		TMAPD2-60/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
80	0,5	TMAPD2-80/4-20MA

TMA4D3

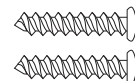


- Transformer suitable for primary current by cable with maximum diameter 25mm or horizontal bar 30x10 mm; vertical bar 30x10 mm
 - Fixing system:
 - to wall or DIN rail by accessories
 - directly to cable or busbar by screws
- accessories and screws are supplied together with the current transformers



DIN rail accessory

Screws M3,5x38

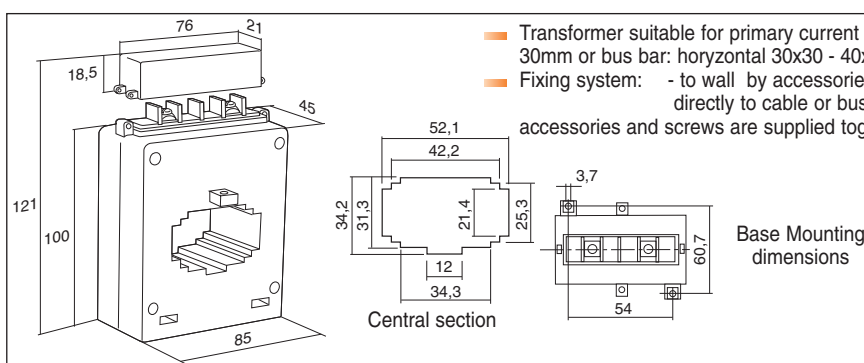


Central section

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
50	0,7	TMA4D3-50/4-20MA
60		TMA4D3-60/4-20MA
80		TMA4D3-80/4-20MA
100		TMA4D3-100/4-20MA
150		TMA4D3-150/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
200	0,7	TMA4D3-200/4-20MA
250		TMA4D3-250/4-20MA
300		TMA4D3-300/4-20MA
400		TMA4D3-400/4-20MA
500		TMA4D3-500/4-20MA

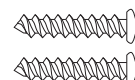
TMA5



- Transformer suitable for primary current by cable with maximum diameter 30mm or bus bar: horizontal 30x30 - 40x25 - 50x20 mm; vertical 30x10 mm
 - Fixing system:
 - to wall by accessories
 - directly to cable or bus bar by screws
- accessories and screws are supplied together with the current transformer

Base Mounting dimensions

Screws M3,5x38

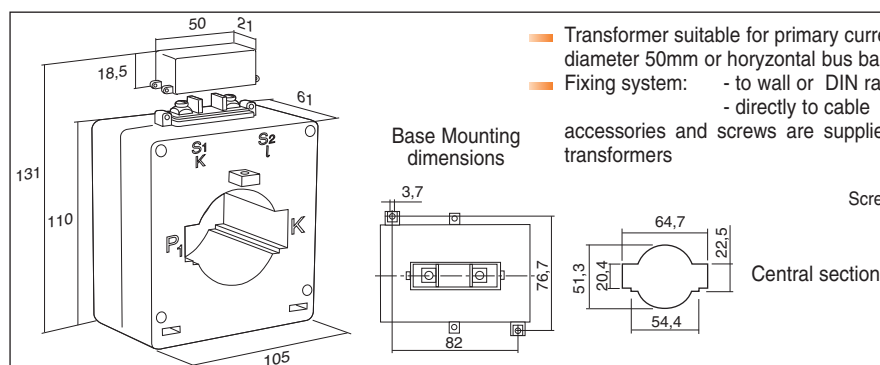


Central section

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
100	0,5	TMA5-100/4-20MA
150		TMA5-150/4-20MA
200		TMA5-200/4-20MA
250		TMA5-250/4-20MA
300		TMA5-300/4-20MA
400		TMA5-400/4-20MA

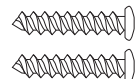
A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
500	0,5	TMA5-500/4-20MA
600		TMA5-600/4-20MA
800		TMA5-800/4-20MA
1000	0,4	TMA5-1K0/4-20MA
1200		TMA5-1K2/4-20MA
1500		TMA5-1K5/4-20MA

TMA6



- Transformer suitable for primary current by cable with maximum diameter 50mm or horizontal bus bar 50x20 - 60x20 mm
 - Fixing system:
 - to wall or DIN rail by accessories
 - directly to cable or busbar by screws
- accessories and screws are supplied together with the current transformers

Screws M3,5x38

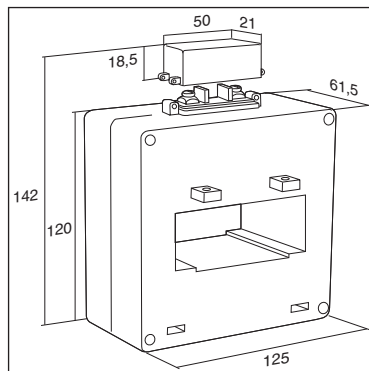


Central section

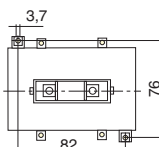
A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
250	1	TMA6-250/4-20MA
300		TMA6-300/4-20MA
400		TMA6-400/4-20MA
500		TMA6-500/4-20MA
600		TMA6-600/4-20MA
800	0,7	TMA6-800/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
1000	0,7	TMA6-1K0/4-20MA
1200		TMA6-1K2/4-20MA
1500	0,8	TMA6-1K5/4-20MA
2000		TMA6-2K0/4-20MA
2500	1	TMA6-2K5/4-20MA

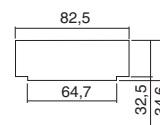
TMA8



- Transformer suitable for primary current by two cables with maximum diameter 30mm each or horizontal bus bar 60x30 - 80x30 mm
- Fixing system: directly to cable or bus bar by screws supplied together with the current transformer

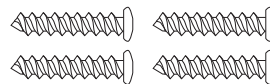


Base Mounting dimensions



Central section

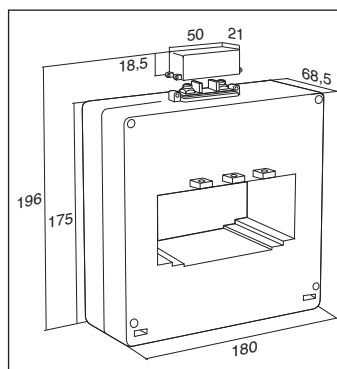
Screws M3,5x38



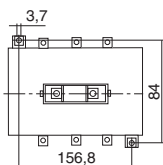
A	kg	class 1
primary current	weight	secondary current 4/20mA code
400	0,8	TMA8-400/4-20MA
500	1	TMA8-500/4-20MA
600		TMA8-600/4-20MA
800		TMA8-800/4-20MA
1000	0,7	TMA8-1K0/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA code
1200	0,7	TMA8-1K2/4-20MA
1500	1	TMA8-1K5/4-20MA
2000		TMA8-2K0/4-20MA
2500		TMA8-2K5/4-20MA
3000	1,5	TMA8-3K0/4-20MA

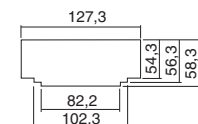
TMA12



- Transformer suitable for primary current by two cables with maximum diameter 50mm each or horizontal bus bar 80x50 - 125x50 mm
- Fixing system: directly to cable or busbar by screws supplied together with the current transformers



Base Mounting dimensions



Central section

Screws M3,5x38



A	kg	class 1
primary current	weight	secondary current 4/20mA code
400	1,5	TMA12-400/4-20MA
500		TMA12-500/4-20MA
600		TMA12-600/4-20MA
800		TMA12-800/4-20MA
1000		TMA12-1K0/4-20MA
1200		TMA12-1K2/4-20MA

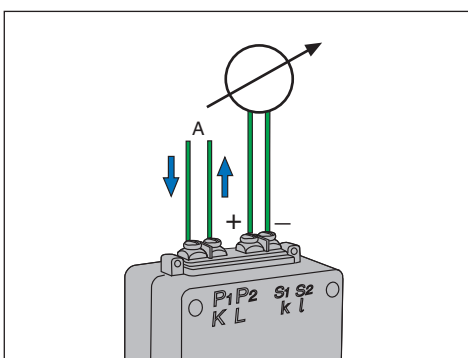
A	kg	class 1
primary current	weight	secondary current 4/20mA code
1500	1,5	TMA12-1K5/4-20MA
2000	1,6	TMA12-2K0/4-20MA
2500		TMA12-2K5/4-20MA
3000		TMA12-3K0/4-20MA
4000	2	TMA12-4K0/4-20MA

STANDARD SERIES - 0-20 mADC AND 0-10VDC OUTPUT CURRENT TRANSFORMERS

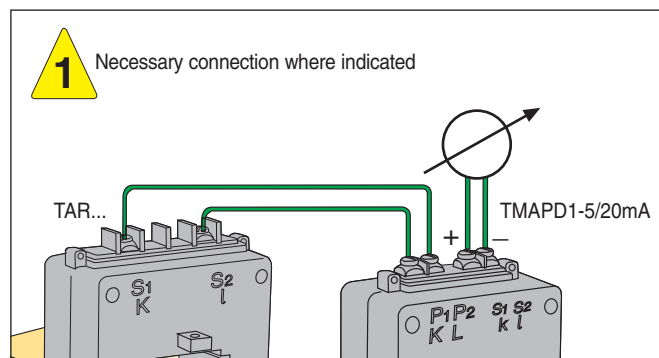
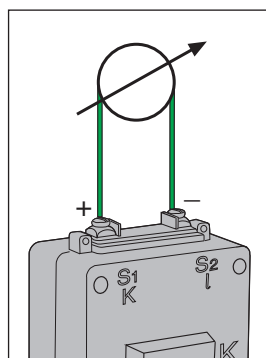
- Resistive load 500 ohm max for model 20mA
- Resistive load > 10 kohm for model 10V
- Testing voltage: 0,72kV/3kV
- Response time 500 ms

- Frequency 50/60Hz
- Sealable terminals cover included
- Different characteristics on request

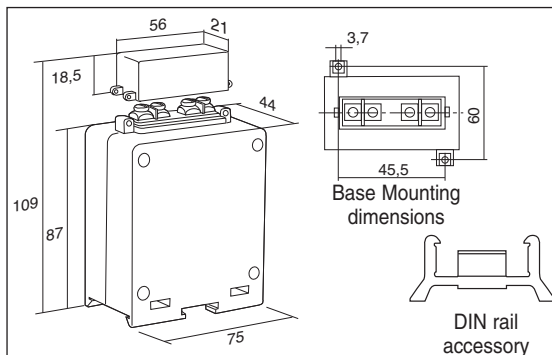
CONNECTION DIAGRAM - TMAPD1



CONNECTION DIAGRAMS FOR OTHER TMA...



TMAPD1



- Transformer with wound primary cable, primary and secondary currents on the terminals
- Fixing system: to wall or DIN rail by accessories supplied together with the current transformer

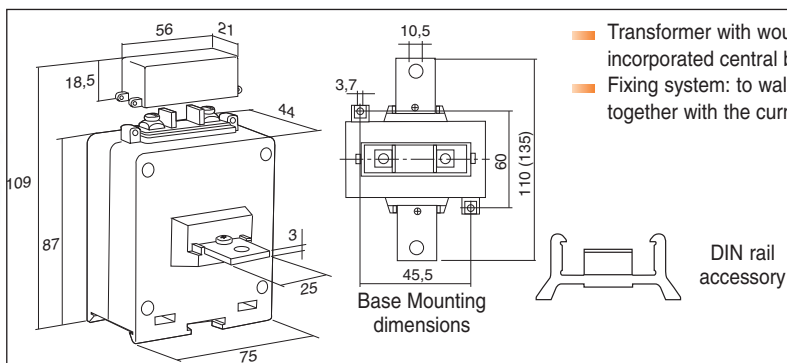
Screws M3,5x38



A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
1	0,5	TMAPD1-1/20MA	TMAPD1-1/10V
5		TMAPD1-5/20MA	TMAPD1-5/10V
10		TMAPD1-10/20MA	TMAPD1-10/10V
15		TMAPD1-15/20MA	TMAPD1-15/10V

A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
20	0,5	TMAPD1-20/20MA	TMAPD1-20/10V
25		TMAPD1-25/20MA	TMAPD1-25/10V
40		TMAPD1-40/20MA	TMAPD1-40/10V

TMAPD2

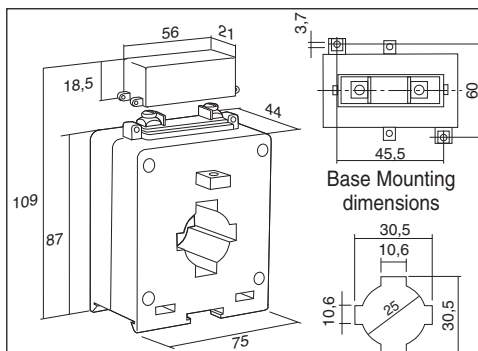


- Transformer with wound primary cable, primary current from incorporated central bar. Secondary current on terminals
- Fixing system: to wall or DIN rail by accessories supplied together with the current transformer

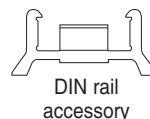
A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
50	0,5	TMAPD2-50/20MA	TMAPD2-50/10V
60		TMAPD2-60/20MA	TMAPD2-60/10V

A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
80	0,5	TMAPD2-80/20MA	TMAPD2-80/10V

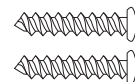
TMA4D3



- Transformer suitable for primary current by cable with maximum diameter 25mm or horizontal bar 30x10 mm; vertical bar 30x10 mm
 - Fixing system: - to wall or DIN rail by accessories
- directly to cable or busbar by screws
- accessories and screws are supplied together with the current transformers



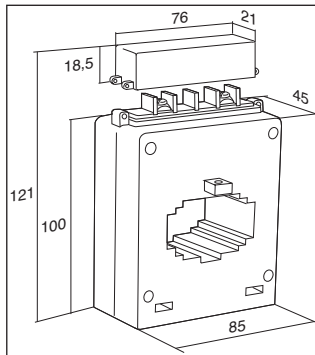
Screws M3,5x38



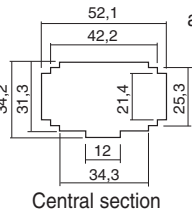
A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
50	0,7	TMA4D3-50/20MA	TMA4D3-50/10V
60		TMA4D3-60/20MA	TMA4D3-60/10V
80		TMA4D3-80/20MA	TMA4D3-80/10V
100		TMA4D3-100/20MA	TMA4D3-100/10V

A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
150	0,7	1 For these currents use the correspondent model TAR4D3 secondary 5A (example TAR4D3 200) in connection with the external accessory TMAPD1-5/20MA	TMA4D3-150/10V
200			TMA4D3-200/10V
250			TMA4D3-250/10V
300			TMA4D3-300/10V
400			TMA4D3-400/10V
500			TMA4D3-500/10V

TMA5

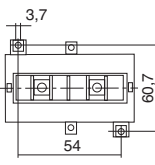


Central section

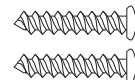


- Transformer suitable for primary current by cable with maximum diameter 30mm or bus bar: horizontal 30x30 - 40x25 - 50x20 mm; vertical 30x10 mm
 - Fixing system:
 - to wall by accessories
 - directly to cable or bus bar by screws
- accessories and screws are supplied together with the current transformer

Base Mounting dimensions



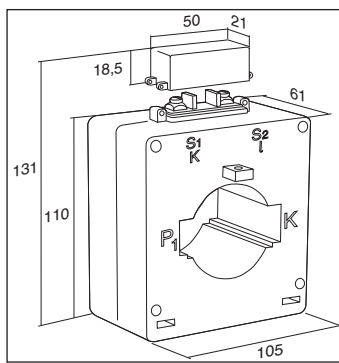
Screws M3,5x38



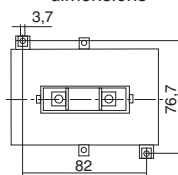
A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
100	0,5	TMA5-100/20MA	TMA5-100/10V
150		For these currents use the correspondent model TAR5 secondary 5A (example TAR5 600) in connection with the external accessory TMAPD1-5/20MA	TMA5-150/10V
200			TMA5-200/10V
250			TMA5-250/10V
300			TMA5-300/10V
400			TMA5-400/10V

A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
500	0,5	For these currents use the correspondent model TAR5 secondary 5A (example TAR5 600) in connection with the external accessory TMAPD1-5/20MA	TMA5-500/10V
600			TMA5-600/10V
800	0,4	For these currents use the correspondent model TAR5 secondary 5A (example TAR5 600) in connection with the external accessory TMAPD1-5/20MA	TMA5-800/10V
1000			TMA5-1K0/10V
1200			TMA5-1K2/10V
1500			TMA5-1K5/10V

TMA6

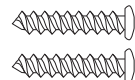


Base Mounting dimensions

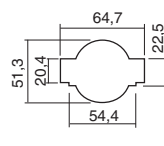


- Transformer suitable for primary current by cable with maximum diameter 50mm or horizontal bus bar 50x20 - 60x20 mm
 - Fixing system:
 - to wall or DIN rail by accessories
 - directly to cable or busbar by screws
- accessories and screws are supplied together with the current transformers

Screws M3,5x38



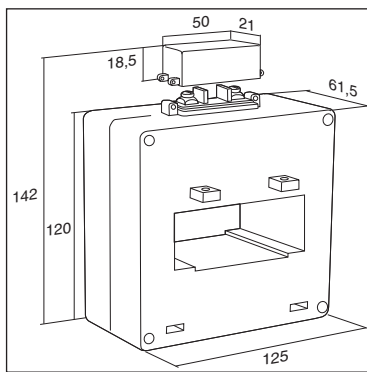
Central section



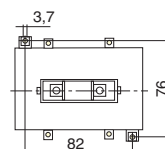
A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
250	1	For these currents use the correspondent model TAR6 secondary 5A (example TAR6 800) in connection with the external accessory TMAPD1-5/20MA	TMA6-250/10V
300			TMA6-300/10V
400			TMA6-400/10V
500			TMA6-500/10V
600			TMA6-600/10V
800	0,7		TMA6-800/10V

A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
1000	0,7	For these currents use the correspondent model TAR6 secondary 5A (example TAR6 800) in connection with the external accessory TMAPD1-5/20MA	TMA6-1K0/10V
1200			TMA6-1K2/10V
1500	0,8	For these currents use the correspondent model TAR6 secondary 5A (example TAR6 800) in connection with the external accessory TMAPD1-5/20MA	TMA6-1K5/10V
2000			TMA6-2K0/10V
2500	1		TMA6-2K5/10V

TMA8

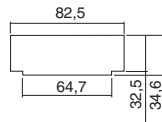


Base Mounting dimensions



- Transformer suitable for primary current by two cables with maximum diameter 30mm each or horizontal bus bar 60x30 - 80x30 mm
- Fixing system: directly to cable or bus bar by screws supplied together with the current transformer

Central section



Screws M3,5x38



A	kg	class 1	
primary current	weight	secondary output 20mA	secondary output 10V
		code	code
400	0,8	 For these currents use the correspondent model TAR8 secondary 5A (example TAR8 2000) in connection with the external accessory TMAPD1-5/20MA	TMA8-400/10V
500	1		TMA8-500/10V
600			TMA8-600/10V
800	0,7		TMA8-800/10V
1000			TMA8-1K0/10V

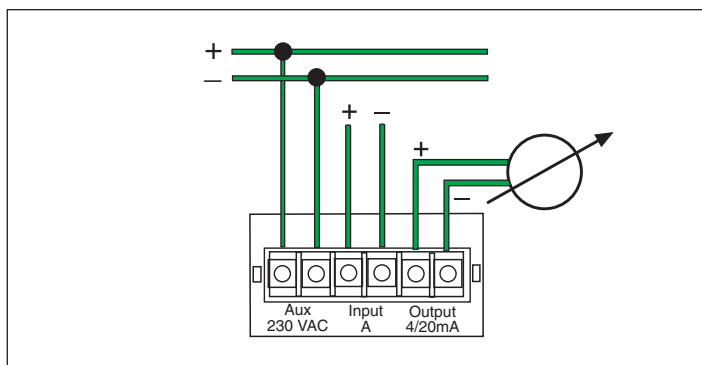
A	kg	class 1	
primary current	weight	secondary output 20mA code	secondary output 10V code
1200	0,7	For these currents use the correspondent model TAR8 secondary 5A (example TAR8 2000) in connection with the external accessory TMAPD1-5/20MA	TMA8-1K2/10V
1500			TMA8-1K5/10V
2000	1	For these currents use the correspondent model TAR8 secondary 5A (example TAR8 2000) in connection with the external accessory TMAPD1-5/20MA	TMA8-2K0/10V
2500			TMA8-2K5/10V
3000	1,5		TMA8-3K0/10V

STANDARD SERIES - 4/20 mA DC EXTERNAL SUPPLY CURRENT TRANSFORMERS

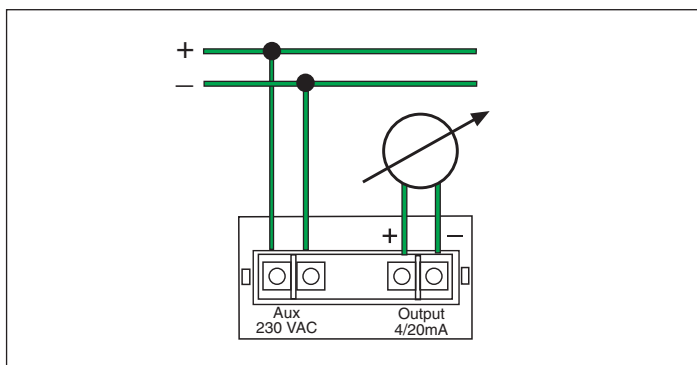
- Burden: < 1VA
- Auxiliary power supply 230VCA (12 - 24 - 48VDC on request)
- Response time 500 msec
- Resistive load 300 ohm max

- Testing voltage: 0,72kV/3kV
- Frequency 50/60Hz
- Sealable terminals cover included
- Different characteristics on request

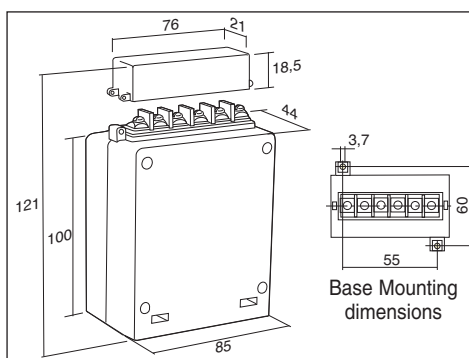
CONNECTION DIAGRAM FOR TMAAPD1



CONNECTION DIAGRAM FOR OTHER TMAA...



TMAAPD1

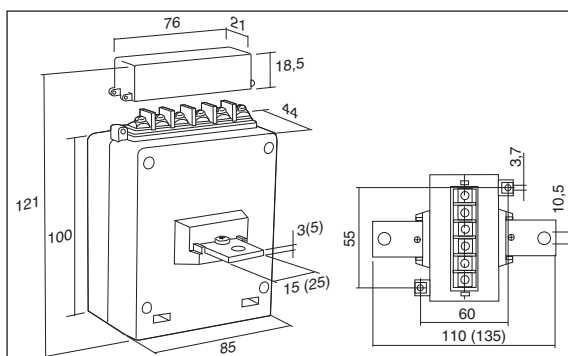


- Transformer with wound primary cable, primary and secondary currents on the terminals
- Fixing system: to wall by accessories supplied together with the current transformer

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
1	0,5	TMAAPD1-1/4-20MA
5		TMAAPD1-5/4-20MA
10		TMAAPD1-10/4-20MA
15		TMAAPD1-15/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
20	0,5	TMAAPD1-20/4-20MA
25		TMAAPD1-25/4-20MA
40		TMAAPD1-40/4-20MA

TMAAPD2



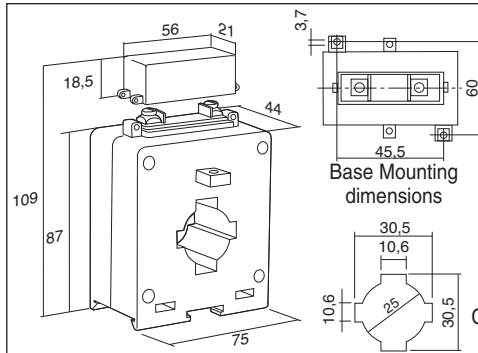
- Fixing system: to wall by accessories supplied together with the current transformer
- Transformer with wound primary cable, primary current from incorporated central bar
- 15x3x110 mm up to 200A
- 25x3x135 mm up to 300A
- 25x5x135 mm up to 400A
- secondary currents on terminals

Base Mounting dimensions

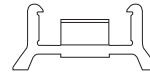
A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
50	0,5	TMAAPD2-50/4-20MA
60		TMAAPD2-60/4-20MA
80		TMAAPD2-80/4-20MA
100		TMAAPD2-100/4-20MA
150		TMAAPD2-150/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
200	0,5	TMAAPD2-200/4-20MA
250		TMAAPD2-250/4-20MA
300		TMAAPD2-300/4-20MA
400		TMAAPD2-400/4-20MA

TMAA4D3

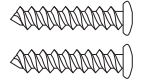


- Transformer suitable for primary current by cable with maximum diameter 25mm or horizontal bar 30x10 mm; vertical bar 30x10 mm
 - Fixing system:
 - to wall or DIN rail by accessories
 - directly to cable or busbar by screws
- accessories and screws are supplied together with the current transformers



DIN rail accessory

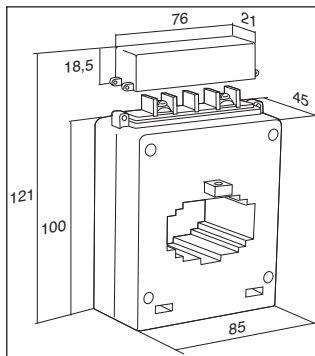
Screws M3,5x38



A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
50	0,7	TMAA4D3-50/4-20MA
60		TMAA4D3-60/4-20MA
80		TMAA4D3-80/4-20MA
100		TMAA4D3-100/4-20MA
150		TMAA4D3-150/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
200	0,7	TMAA4D3-200/4-20MA
250		TMAA4D3-250/4-20MA
300		TMAA4D3-300/4-20MA
400		TMAA4D3-400/4-20MA
500		TMAA4D3-500/4-20MA

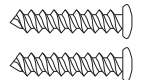
TMAA5



- Transformer suitable for primary current by cable with maximum diameter 30mm or bus bar: horizontal 30x30 - 40x25 - 50x20 mm; vertical 30x10 mm
 - Fixing system:
 - to wall by accessories
 - directly to cable or bus bar by screws
- accessories and screws are supplied together with the current transformer

Base Mounting dimensions

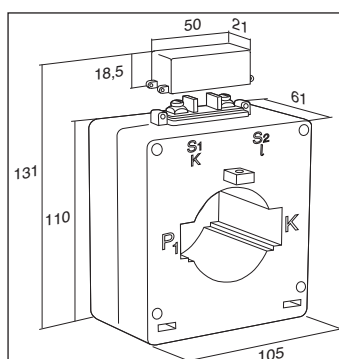
Screws M3,5x38



A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
100	0,5	TMAA5-100/4-20MA
150		TMAA5-150/4-20MA
200		TMAA5-200/4-20MA
250		TMAA5-250/4-20MA
300		TMAA5-300/4-20MA
400		TMAA5-400/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
500	0,5	TMAA5-500/4-20MA
600		TMAA5-600/4-20MA
800		TMAA5-800/4-20MA
1000	0,4	TMAA5-1K0/4-20MA
1200		TMAA5-1K2/4-20MA
1500		TMAA5-1K5/4-20MA

TMAA6



- Transformer suitable for primary current by cable with maximum diameter 50mm or horizontal bus bar 50x20 - 60x20 mm
 - Fixing system:
 - to wall or DIN rail by accessories
 - directly to cable or busbar by screws
- accessories and screws are supplied together with the current transformers

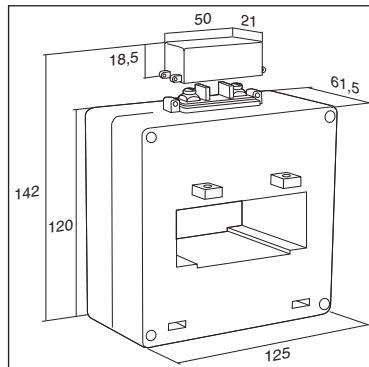
Screws M3,5x38



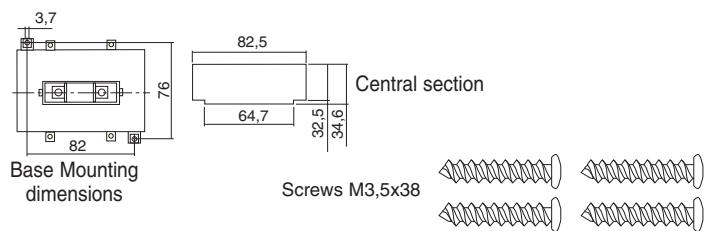
A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
250	0,7	TMAA6-250/4-20MA
300		TMAA6-300/4-20MA
400		TMAA6-400/4-20MA
500		TMAA6-500/4-20MA
600		TMAA6-600/4-20MA
800		TMAA6-800/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
1000	0,7	TMAA6-1K0/4-20MA
1200		TMAA6-1K2/4-20MA
1500	0,8	TMAA6-1K5/4-20MA
2000		TMAA6-2K0/4-20MA
2500	1	TMAA6-2K5/4-20MA

TMAA8



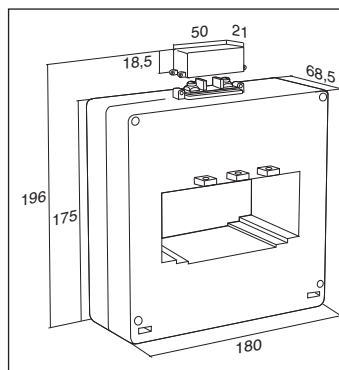
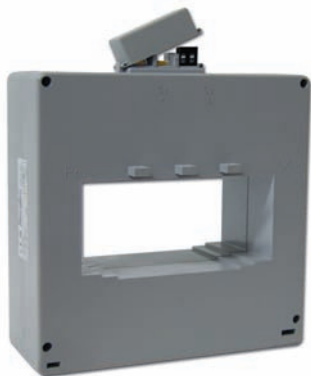
- Transformer suitable for primary current by two cables with maximum diameter 30mm each or horizontal bus bar 60x30 - 80x30 mm
- Fixing system: directly to cable or bus bar by screws supplied together with the current transformer



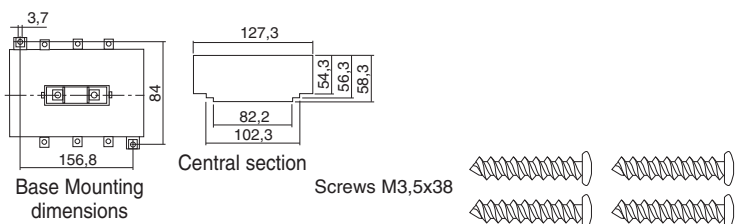
A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
400	0,7	TMAA8-400/4-20MA
500		TMAA8-500/4-20MA
600		TMAA8-600/4-20MA
800		TMAA8-800/4-20MA
1000		TMAA8-1K0/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
1200	0,7	TMAA8-1K2/4-20MA
1500		TMAA8-1K5/4-20MA
2000	1	TMAA8-2K0/4-20MA
2500		TMAA8-2K5/4-20MA
3000	1,5	TMAA8-3K0/4-20MA

TMAA12



- Transformer suitable for primary current by two cables with maximum diameter 50mm each or horizontal bus bar 80x50 - 100x50 - 125x50 mm
- Fixing system: directly to cable or busbar by screws supplied together with the current transformers



A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
400	1	TMAA12-400/4-20MA
500		TMAA12-500/4-20MA
600		TMAA12-600/4-20MA
800		TMAA12-800/4-20MA
1000		TMAA12-1K0/4-20MA
1200		TMAA12-1K2/4-20MA

A	kg	class 1
primary current	weight	secondary current 4/20mA
		code
1500	1	TMAA12-1K5/4-20MA
2000		TMAA12-2K0/4-20MA
2500	1,5	TMAA12-2K5/4-20MA
3000		TMAA12-3K0/4-20MA
4000	2	TMAA12-4K0/4-20MA

TOROIDAL CURRENT TRANSFORMERS

- These transformers are used when it is necessary to survey the homopolar currents (imbalance of current existing on a three phase cable) or in those cases where substantial performance is necessary)
- The dimensions are not pre-determined but calculated each time on the basis of the technical characteristics required

- With passing primary cable
- Running temperature: $-25^{\circ}\text{C} \div +40^{\circ}\text{C}$.
If immersed in oil, the maximum running temperature rises to 60°C
- Finished with cotton taping protected with insulating epoxy varnish

TART



- When ordering, indicate:
 - primary current value (min. 50A)
 - secondary current value (min. 1A)
 - precision class
 - burden (VA)
 - internal diameter
- The external diameter and the thickness are variable according to the above mentioned data
The insulation between the primary and the secondary cables must be carried out by the client during assembly



"HALL" EFFECT - CURRENT TRANSFORMERS

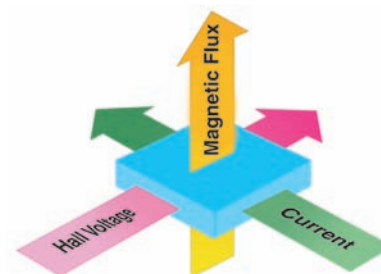
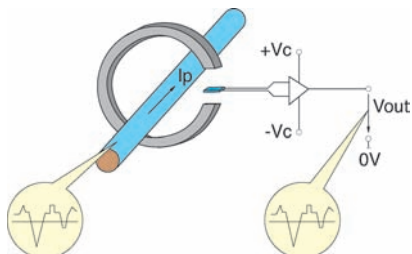
- Burden: < 2,5VA
- Auxiliary power supply 230VCA (12 - 24 - 48VDC on request)
- Response time 500 msec
- Resistive load 500 ohm max

- Testing voltage: 0,72kV/3kV
- Sealable terminals cover included
- Different characteristics on request
- Positive and negative output (except secondary 4/20mA)

GENERAL DESCRIPTION

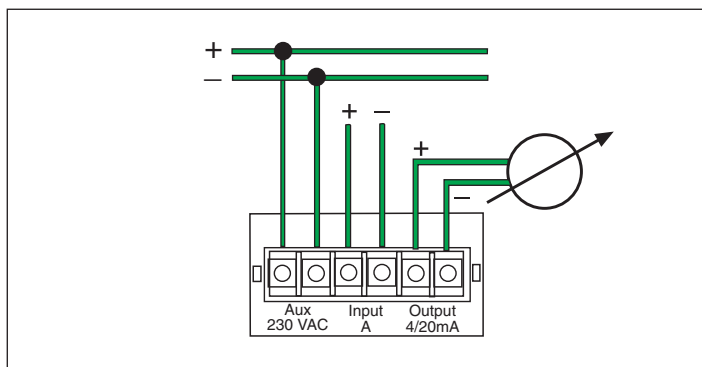
Operative system "Open Loop (O/L)"

The magnetic flux created by primary current I_p , is concentrated in a magnetic circuit and measured on the open part of toroid by a Hall sensor. The signal exiting from this sensor is conditioned in the way to represent exactly the primary current value.

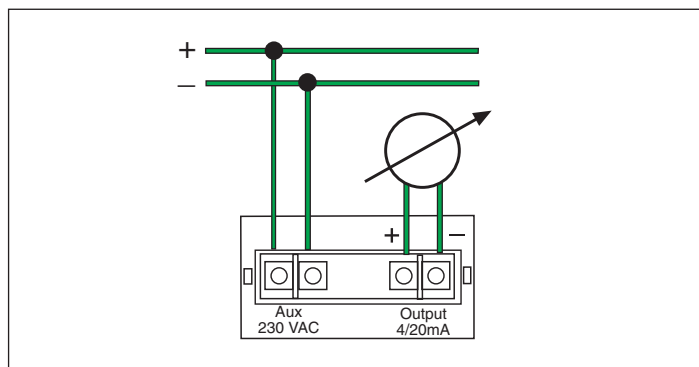


- This type of C.T. can be used as an alternative to the shunts when high voltages are in the field and it is necessary to have more higher galvanic separations.

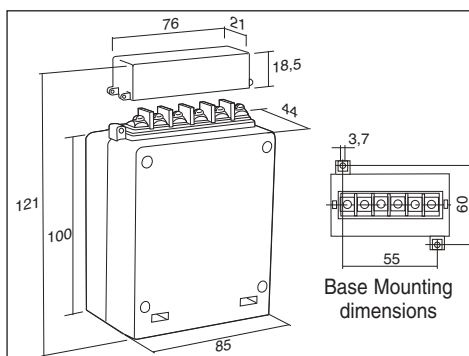
CONNECTION DIAGRAM FOR TAHPD1



CONNECTION DIAGRAM FOR OTHER TAH...



TAHPD1

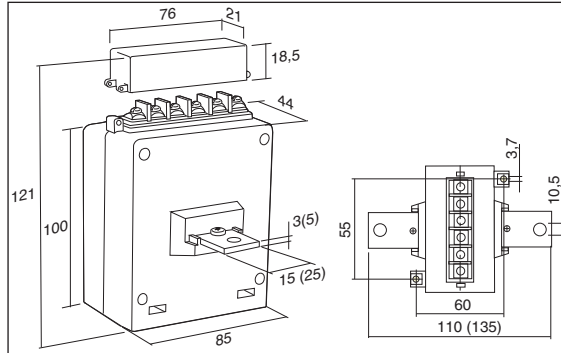


- Transformer with wound primary cable, primary and secondary currents on the terminals
- Fixing system: to wall by accessories supplied together with the current transformer
- Monodirectional output

A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
1	0,5	TAHPD1-1/4-20MA	TAHPD1-1/20MA	TAHPD1-1/10V
5		TAHPD1-5/4-20MA	TAHPD1-5/20MA	TAHPD1-5/10V
10		TAHPD1-10/4-20MA	TAHPD1-10/20MA	TAHPD1-10/10V
15		TAHPD1-15/4-20MA	TAHPD1-15/20MA	TAHPD1-15/10V

A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
20	0,5	TAHPD1-20/4-20MA	TAHPD1-20/20MA	TAHPD1-20/10V
25		TAHPD1-25/4-20MA	TAHPD1-25/20MA	TAHPD1-25/10V
40		TAHPD1-40/4-20MA	TAHPD1-40/20MA	TAHPD1-40/10V

TAHPD2



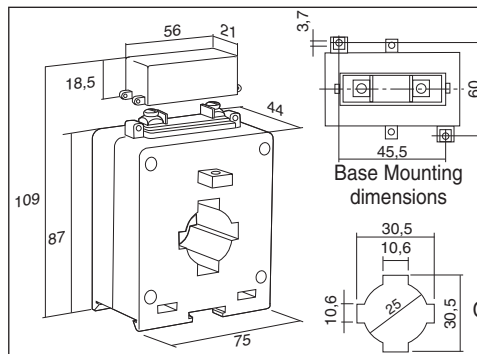
- Fixing system: to wall by accessories supplied together with the current transformer
- Transformer with wound primary cable, primary current from incorporated central bar
15x3x110 mm up to 200A
25x3x135 mm up to 300A
25x5x135 mm up to 400A
secondary currents on terminals

Base Mounting dimensions

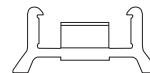
A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
50	0,5	TAHPD2-50/4-20MA	TAHPD2-50/20MA	TAHPD2-50/10V
60		TAHPD2-60/4-20MA	TAHPD2-60/20MA	TAHPD2-60/10V
80		TAHPD2-80/4-20MA	TAHPD2-80/20MA	TAHPD2-80/10V
100		TAHPD2-100/4-20MA	TAHPD2-100/20MA	TAHPD2-100/10V
150		TAHPD2-150/4-20MA	TAHPD2-150/20MA	TAHPD2-150/10V

A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
200	0,5	TAHPD2-200/4-20MA	TAHPD2-200/20MA	TAHPD2-200/10V
250		TAHPD2-250/4-20MA	TAHPD2-250/20MA	TAHPD2-250/10V
300		TAHPD2-300/4-20MA	TAHPD2-300/20MA	TAHPD2-300/10V
400		TAHPD2-400/4-20MA	TAHPD2-400/20MA	TAHPD2-400/10V

TAH4D3



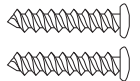
- Transformer suitable for primary current by cable with maximum diameter 25mm or horizontal bar 30x10 mm; vertical bar 30x10 mm
- Fixing system:
 - to wall or DIN rail by accessories
 - directly to cable or busbar by screws
 accessories and screws are supplied together with the current transformers



DIN rail accessory

Central section

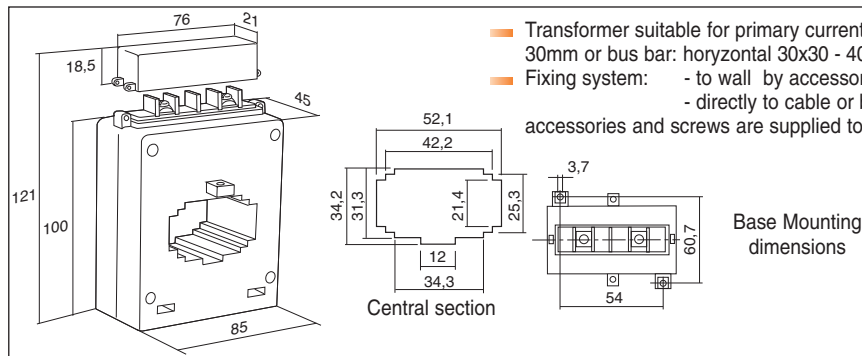
Screws M3,5x38



A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
50	0,7	TAH4D3-50/4-20MA	TAH4D3-50/20MA	TAH4D3-50/10V
60		TAH4D3-60/4-20MA	TAH4D3-60/20MA	TAH4D3-60/10V
80		TAH4D3-80/4-20MA	TAH4D3-80/20MA	TAH4D3-80/10V
100		TAH4D3-100/4-20MA	TAH4D3-100/20MA	TAH4D3-100/10V
150		TAH4D3-150/4-20MA	TAH4D3-150/20MA	TAH4D3-150/10V

A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
200	0,7	TAH4D3-200/4-20MA	TAH4D3-200/20MA	TAH4D3-200/10V
250		TAH4D3-250/4-20MA	TAH4D3-250/20MA	TAH4D3-250/10V
300		TAH4D3-300/4-20MA	TAH4D3-300/20MA	TAH4D3-300/10V
400		TAH4D3-400/4-20MA	TAH4D3-400/20MA	TAH4D3-400/10V

TAH5



- Transformer suitable for primary current by cable with maximum diameter 30mm or bus bar: horizontal 30x30 - 40x25 - 50x20 mm; vertical 30x10 mm
- Fixing system:
 - to wall by accessories
 - directly to cable or bus bar by screws
 accessories and screws are supplied together with the current transformer

Base Mounting dimensions

Screws M3,5x38



A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
100	0,5	TAH5-100/4-20MA	TAH5-100/20MA	TAH5-100/10V
150		TAH5-150/4-20MA	TAH5-150/20MA	TAH5-150/10V
200		TAH5-200/4-20MA	TAH5-200/20MA	TAH5-200/10V

A	kg	class 1		
primary current	weight	secondary current 4/20mA	secondary current 20mA	secondary current 10V
		code	code	code
250	0,5	TAH5-250/4-20MA	TAH5-250/20MA	TAH5-250/10V
300		TAH5-300/4-20MA	TAH5-300/20MA	TAH5-300/10V
400		TAH5-400/4-20MA	TAH5-400/20MA	TAH5-400/10V

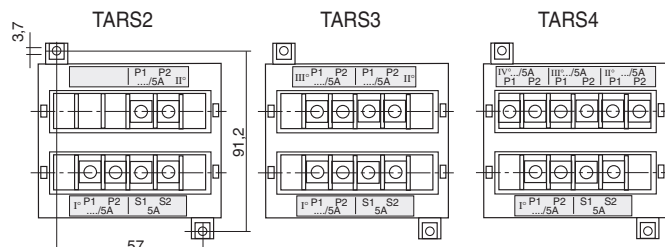
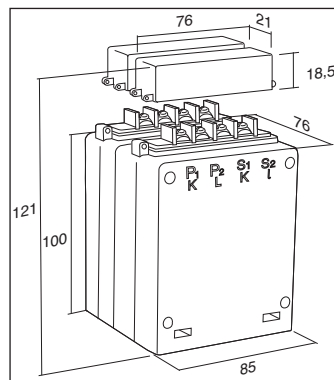
SUMMATION CURRENT TRANSFORMERS

- For vectorial summation of the current of several phases in a single voltage system
- Maximum reference voltage for insulation: 0,72 kV / 3kV

- If the primary currents have different ratios, specify the ratios when ordering



TARS



Base Mounting dimensions

- Fixing system: to wall by accessories supplied together with the current transformer

kg	class 0,5	
weight	secondary current 5A	
	code	VA
1	TARS2 5+5	10
	TARS3 5+5+5	10
	TARS4 5+5+5+5	10

kg	class 0,5	
weight	secondary current 1A	
	code	VA
1	TARS21 1+1	10
	TARS31 1+1+1	10
	TARS41 1+1+1+1	10

TARSD

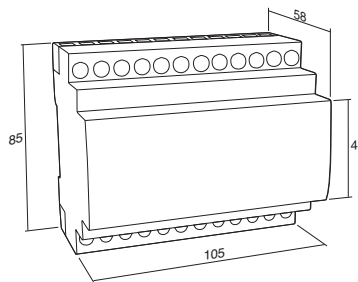


Diagram TARSD4

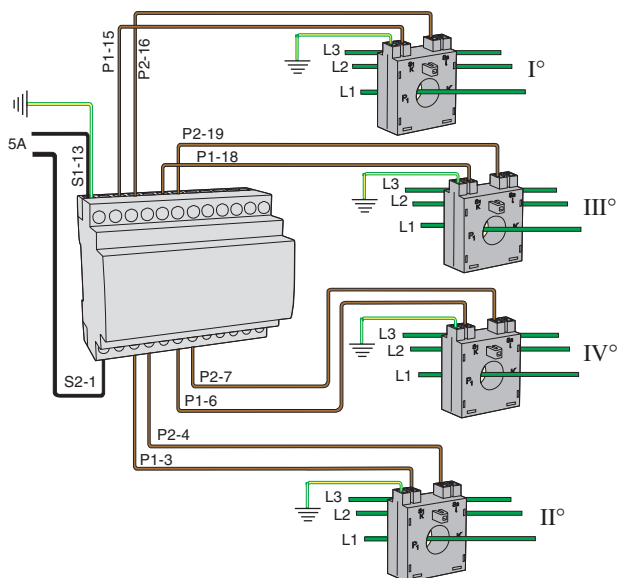


Diagram TARSD2

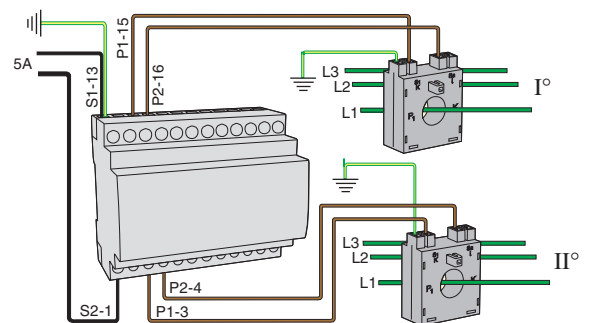
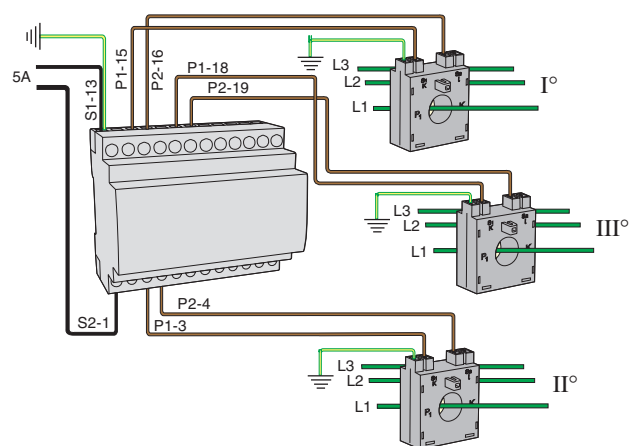


Diagram TARSD3



- These diagrams refer to a connection of one phase. In case of a 2 systems connection (ARON) 2 summation CTs and 2 current transformers (one for phase L1 and one for phase L3) must be used. In case of 3 systems connection 3 summation CTs and 3 current transformers (one for phase L1, one for phase L2 and one for phase L3) must be used.
- Fixing system: to DIN rail
- The dimension of 105 mm correspond to a 6 DIN modules (17,5 mm each)

kg	class 0,5	
weight	secondary current 5A	
	code	VA
1	TARSD2 5+5	6
	TARSD3 5+5+5	6
	TARSD4 5+5+5+5	6

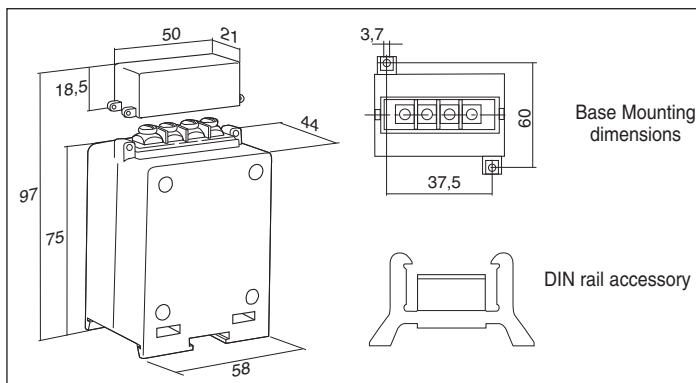
kg	class 0,5	
weight	secondary current 1A	
	code	VA
1	TARSD21 1+1	6
	TARSD31 1+1+1	6
	TARSD41 1+1+1+1	6

RATIO CORRECTING CURRENT TRANSFORMERS

- These transformers are used when it is necessary to correct the transformation ratio of the main CT in order to adapt it to particular needs on the part of the measuring circuit or the phase displacement caused by star / delta connections, filtering the eventual homopolar currents.
- Transformer with wound primary cable, primary and secondary currents on the terminals
- Fixing system: to wall or to DIN rail by accessories supplied together with the current transformer
- Sealable terminals cover included
- Different characteristics on request
- When ordering indicate exactly the primary and secondary current

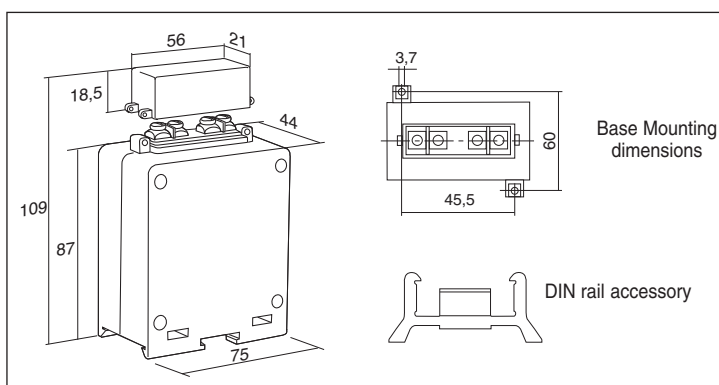


TARCRD



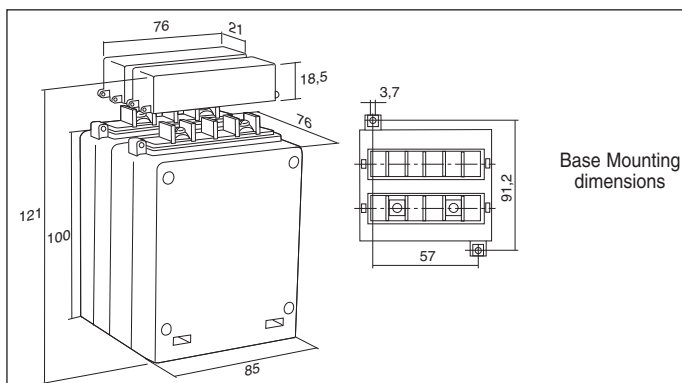
A	A	kg	Power VA		
primary current	secondary current	Weight	Class		
0,5 ÷ 40	0,2 ÷ 10	0,3	0,5	1	3
			2	4	6

TARCRD1



A	A	kg	Power VA		
primary current	secondary current	Weight	Class		
0,5 ÷ 40	0,5 ÷ 10	0,4	0,5	1	
			10	15	

TARCR2

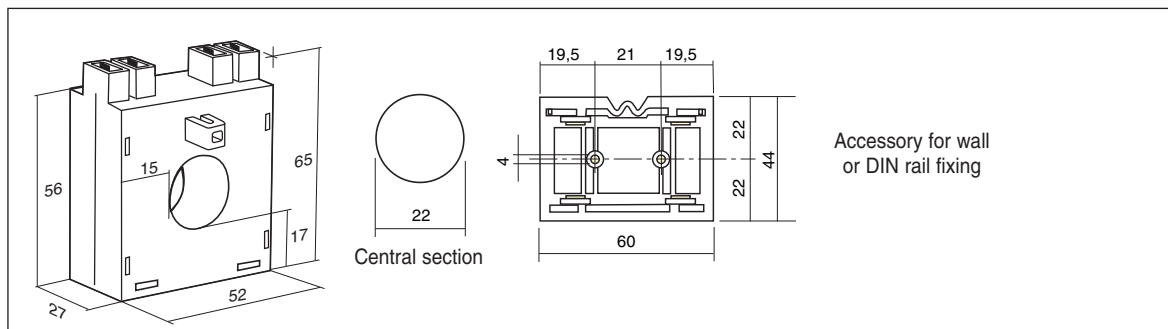


A	A	kg	Power VA		
primary current	secondary current	Weight	Class		
0,5 ÷ 40	0,5 ÷ 10	0,5	0,5	1	5P10
			20	40	4

CURRENT TRANSFORMERS FOR ELECTRONICS

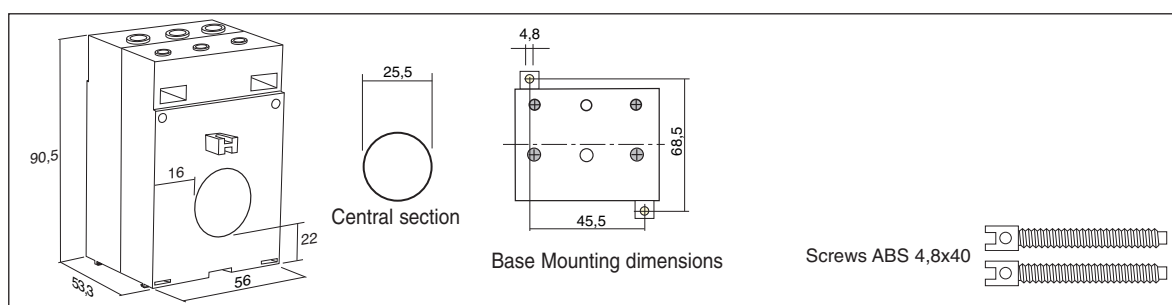
- These transformers are used for measuring current from 25A to 600A (nominal primary current). The peculiar characteristic of these transformers is the high number of turns in the secondary cable. This makes it possible to have a very low secondary current, suitable for an electronic measuring circuit. The secondary current can be seen as voltage across a resistor. The resistor, of low power and cost, is directly fitted onto the printed circuit.
- Appliance sphere:
 - current sensor for circuits which protect motors, UPS and similar;
 - current sensor for measuring instruments (current probe).
- Insulation voltage between primary and secondary elements 4kV
- Frequency: 50 - 60Hz
- Other characteristics on request

TAMEL



A	%	kg											numbers of turns in secondary cable S ₁ ,S ₂	Ru (Ohm) resistance of secondary load	Vu (VAC) voltage available for secondary element									
primary current	class	weight	secondary current 0,05 A		secondary current 0,1 A		secondary current 0,2 A		secondary current 0,4 A		secondary current 0,6 A													
			code	VA	code	VA	code	VA	code	VA	code	VA												
25	2	0,2	TAMEL 25/0.05A	0,20	TAMEL 100/0.1A	1,25	TAMEL 25/0.2A	0,6	TAMEL 200/0.4A	4	TAMEL 600/0.6A	4	500	40	2									
25	2,5		TAMEL 50/0.05A	0,20									TAMEL 100/0.2A	1,25	TAMEL 200/0.4A	4	125	10	2					
50	1						TAMEL 50/0.2A	0,6		TAMEL 400/0.4A		4					1000	80	4					
50	1,5												TAMEL 600/0.2A	4		250	10	4						
100	0,4						TAMEL 600/0.4A	4				1000				20	2							
100	0,8											TAMEL 600/0.6A		4		500	20	4						
200	0,5							TAMEL 600/0.6A								4	1000	20	4					
200	1													TAMEL 600/0.6A			4	500	20	8				
300	0,3															TAMEL 600/0.6A		4	1500	20	4			
400	0,2																TAMEL 600/0.6A		4	2000	20	4		
400	0,4																	TAMEL 600/0.6A		4	1000	20	8	
600	0,5																		TAMEL 600/0.6A		4	3000	20	4
600	0,2																			TAMEL 600/0.6A		4	1500	20
600	0,2																				TAMEL 600/0.6A		4	1000

TCS25EL



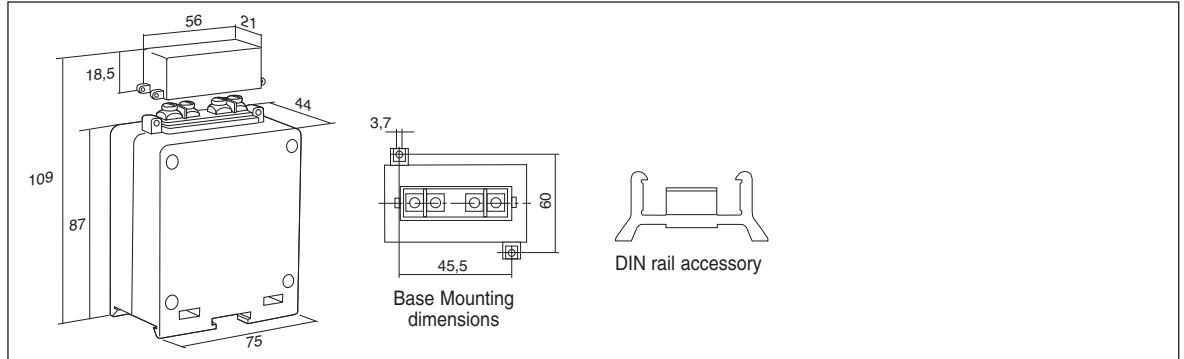
A	%	kg											numbers of turns in secondary cable S ₁ S ₂	Ru (Ohm) resistance of secondary load	Vu (VAC) voltage available for secondary element
primary current	class	weight	secondary current 0,05 A		secondary current 0,1 A		secondary current 0,2 A		secondary current 0,4 A		secondary current 0,6 A				
			code	VA	code	VA	code	VA	code	VA	code	VA			
25	2,5	0,2					TCS25EL 25/0.2A	1,25					125	30	6

VOLTAGE TRANSFORMERS

- Construction according to the CEI EN 60044-2 (38-2) regulation
- Case in ABS resin
- Maximum reference voltage for insulation: 0,72 kV (1,2 kV for models TVRN...)
- Test voltage: 3 kV (6 kV for models TVRN...) at 50 Hz for 1 minute
- Permanent overload: 1,2 Vn
- Fixing to wall or DIN rail by accessories

- Sealable terminals cover included
- Resin insulation for models TVR.../TVRN; air insulation for models TVRE...
- Primary voltages different from the standard can be manufactured on request
- Secondary voltages on request
- When ordering indicate exactly the primary and secondary voltages** 

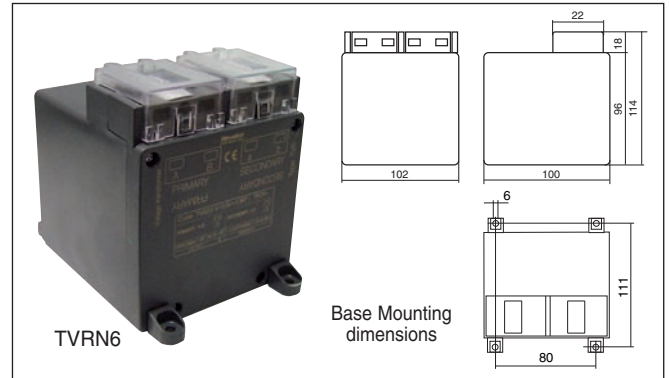
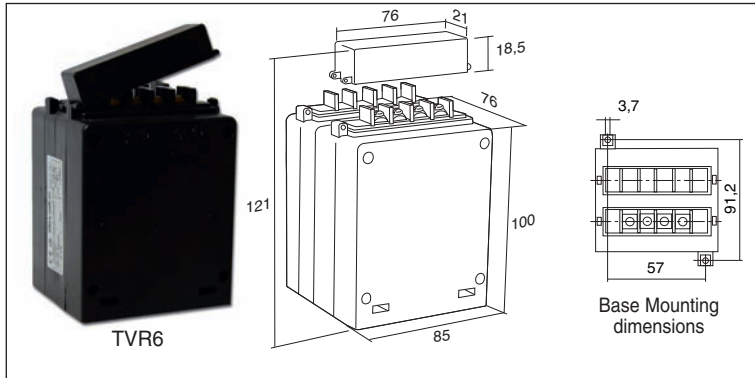
TVR2



V	kg	class 1	
primary voltage	weight	code	VA
100	1,5	TVR2 100/.....(value of secondary voltage)	2
110		TVR2 110/.....(value of secondary voltage)	
115		TVR2 115/.....(value of secondary voltage)	
230		TVR2 230/.....(value of secondary voltage)	
380		TVR2 380/.....(value of secondary voltage)	
400		TVR2 400/.....(value of secondary voltage)	
440		TVR2 440/.....(value of secondary voltage)	
500		TVR2 500/.....(value of secondary voltage)	
600		TVR2 600/.....(value of secondary voltage)	

V	kg	class 1	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	1,5	TVR2 100R/.....(value of secondary voltage)	2
110: $\sqrt{3}$		TVR2 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVR2 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVR2 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVR2 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVR2 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVR2 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVR2 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVR2 600R/.....(value of secondary voltage)	

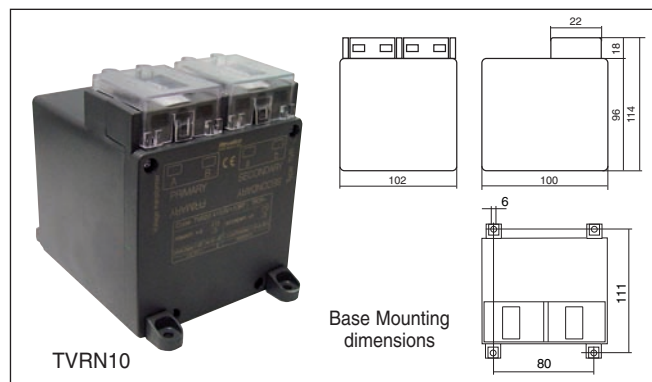
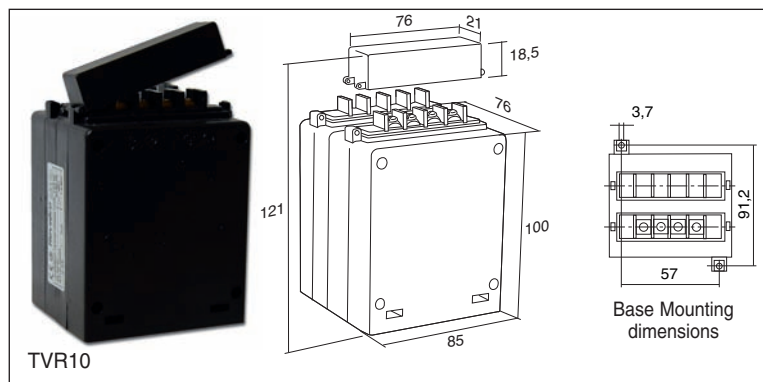
TVR6 / TVRN6



V	kg	class 0,5	
primary voltage	weight	code	VA
100	2	TVR6(N) 100/.....(value of secondary voltage)	6
110		TVR6(N) 110/.....(value of secondary voltage)	
115		TVR6(N) 115/.....(value of secondary voltage)	
230		TVR6(N) 230/.....(value of secondary voltage)	
380		TVR6(N) 380/.....(value of secondary voltage)	
400		TVR6(N) 400/.....(value of secondary voltage)	
440		TVR6(N) 440/.....(value of secondary voltage)	
500		TVR6(N) 500/.....(value of secondary voltage)	
600		TVR6(N) 600/.....(value of secondary voltage)	

V	kg	class 0,5	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	2	TVR6(N) 100R/.....(value of secondary voltage)	6
110: $\sqrt{3}$		TVR6(N) 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVR6(N) 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVR6(N) 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVR6(N) 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVR6(N) 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVR6(N) 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVR6(N) 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVR6(N) 600R/.....(value of secondary voltage)	

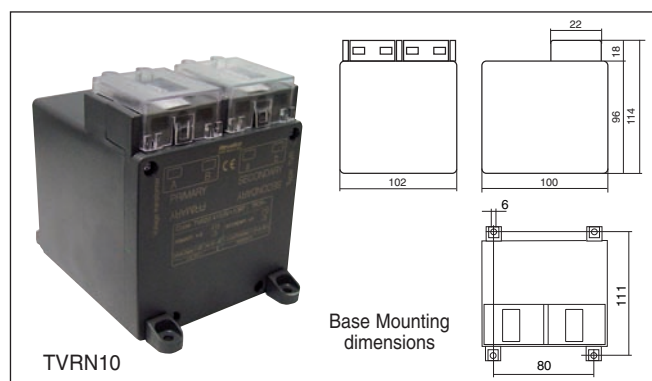
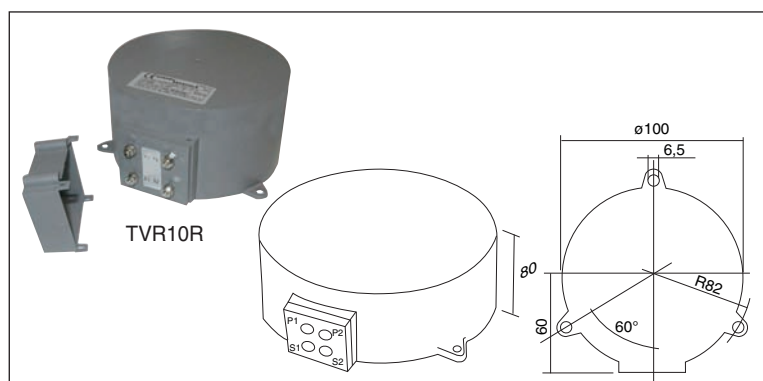
TVR10 / TVRN10



V	kg	class 0,5	
primary voltage	weight	code	VA
100	2,2	TVR(N)10 100/.....(value of secondary voltage)	10
110		TVR(N)10 110/.....(value of secondary voltage)	
115		TVR(N)10 115/.....(value of secondary voltage)	
230		TVR(N)10 230/.....(value of secondary voltage)	
380		TVR(N)10 380/.....(value of secondary voltage)	

V	kg	class 0,5	
primary voltage	weight	code	VA
400	2,2	TVR(N)10 400/.....(value of secondary voltage)	10
440		TVR(N)10 440/..... (value of secondary voltage)	
500		TVR(N)10 500/.....(value of secondary voltage)	
600		TVR(N)10 600/.....(value of secondary voltage)	

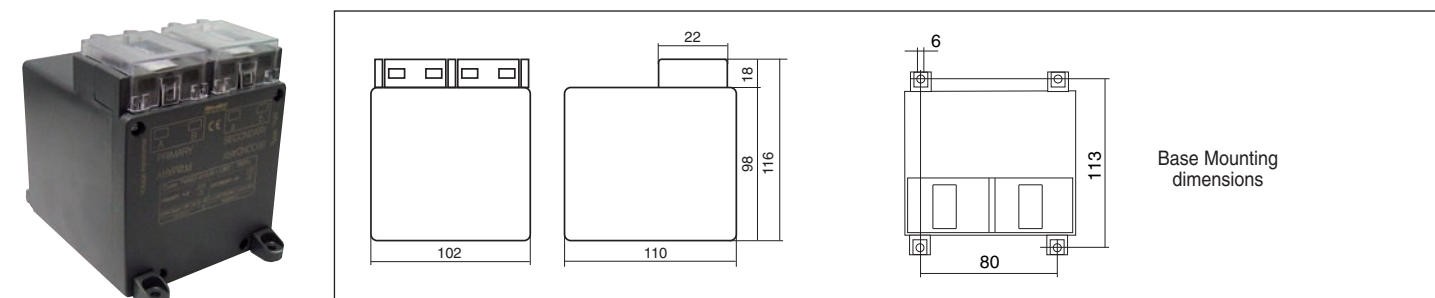
TVR10R / TVRN10



V	kg	class 0,5	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	2,5	TVR(N)10(R) 100R/.....(value of secondary voltage)	10
110: $\sqrt{3}$		TVR(N)10(R) 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVR(N)10(R) 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVR(N)10(R) 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVR(N)10(R) 380R/.....(value of secondary voltage)	

V	kg	class 0,5	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
400: $\sqrt{3}$	2,5	TVR(N)10(R) 400R/.....(value of secondary voltage)	10
440: $\sqrt{3}$		TVR(N)10(R) 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVR(N)10(R) 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVR(N)10(R) 600R/.....(value of secondary voltage)	

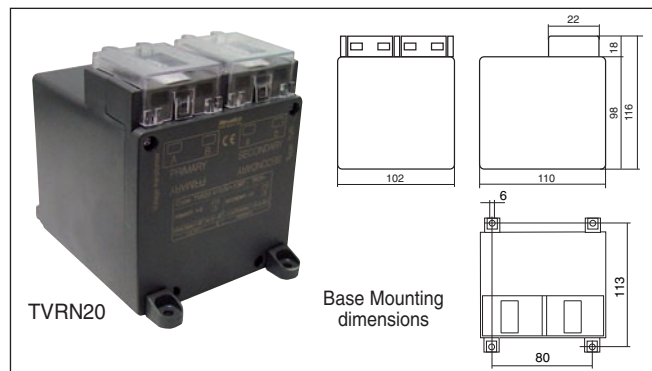
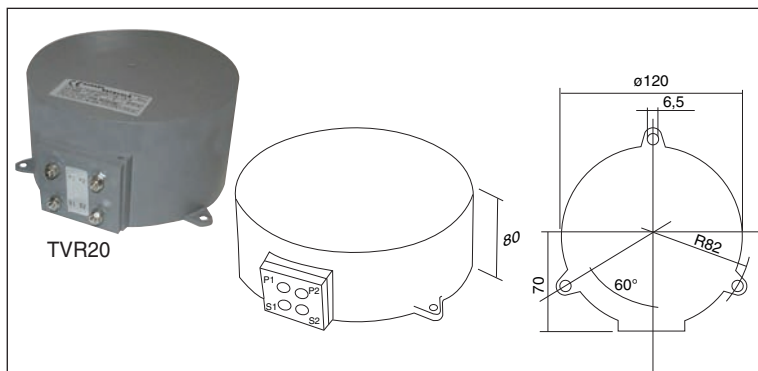
TVRN16



V	kg	class 0,5	
primary voltage	weight	code	VA
100	2	TVRN6 100/.....(value of secondary voltage)	6
110		TVRN6 110/.....(value of secondary voltage)	
115		TVRN6 115/.....(value of secondary voltage)	
230		TVRN6 230/.....(value of secondary voltage)	
380		TVRN6 380/.....(value of secondary voltage)	
400		TVRN6 400/.....(value of secondary voltage)	
440		TVRN6 440/.....(value of secondary voltage)	
500		TVRN6 500/..... (value of secondary voltage)	
600		TVRN6 600/.....(value of secondary voltage)	

V	kg	class 0,5	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	2	TVRN6 100R/.....(value of secondary voltage)	6
110: $\sqrt{3}$		TVRN6 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVRN6 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVRN6 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVRN6 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVRN6 400R/..... (value of secondary voltage)	
440: $\sqrt{3}$		TVRN6 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVRN6 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVRN6 600R/.....(value of secondary voltage)	

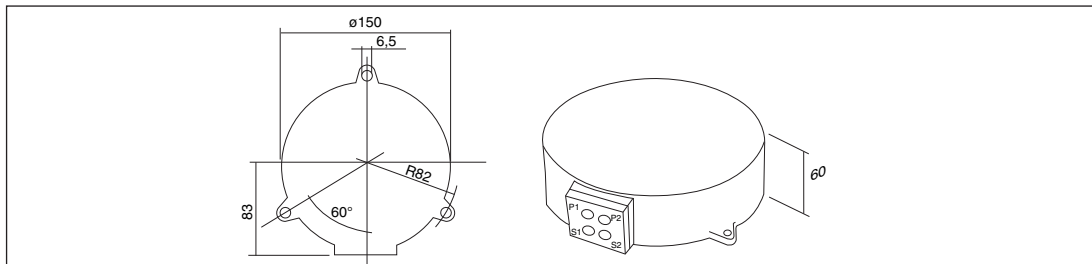
TVR20 / TVRN20



V	kg	class 0,5	
primary voltage	weight	code	VA
100	2,5	TVR(N)20 100/.....(value of secondary voltage)	20
110		TVR(N)20 110/.....(value of secondary voltage)	
115		TVR(N)20 115/.....(value of secondary voltage)	
230		TVR(N)20 230/.....(value of secondary voltage)	
380		TVR(N)20 380/.....(value of secondary voltage)	
400		TVR(N)20 400/.....(value of secondary voltage)	
440		TVR(N)20 440/.....(value of secondary voltage)	
500		TVR(N)20 500/.....(value of secondary voltage)	
600		TVR(N)20 600/.....(value of secondary voltage)	

V	kg	class 0,5	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	2,5	TVR(N)20 100R/.....(value of secondary voltage)	20
110: $\sqrt{3}$		TVR(N)20 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVR(N)20 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVR(N)20 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVR(N)20 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVR(N)20 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVR(N)20 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVR(N)20 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVR(N)20 600R/.....(value of secondary voltage)	

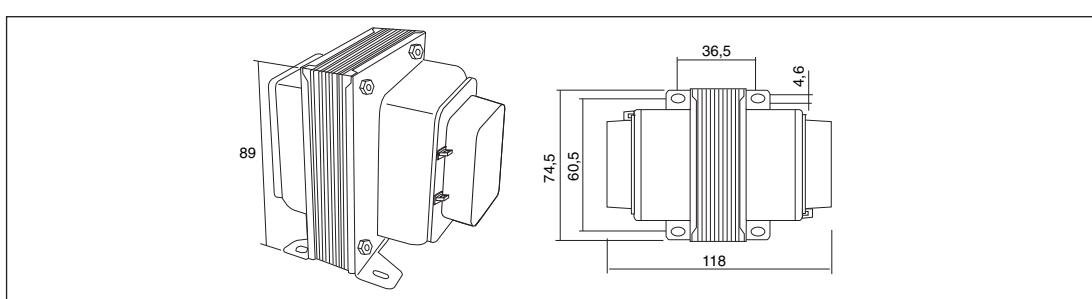
TVR50



V	kg	class 0,5	
primary voltage	weight	code	VA
100	4,3	TVR50 100/.....(value of secondary voltage)	50
110		TVR50 110/.....(value of secondary voltage)	
115		TVR50 115/.....(value of secondary voltage)	
230		TVR50 230/.....(value of secondary voltage)	
380		TVR50 380/.....(value of secondary voltage)	
400		TVR50 400/.....(value of secondary voltage)	
440		TVR50 440/.....(value of secondary voltage)	
500		TVR50 500/.....(value of secondary voltage)	
600		TVR50 600/.....(value of secondary voltage)	

V	kg	class 0,5	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	4,3	TVR50 100R/.....(value of secondary voltage)	50
110: $\sqrt{3}$		TVR50 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVR50 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVR50 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVR50 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVR50 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVR50 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVR50 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVR50 600R/.....(value of secondary voltage)	

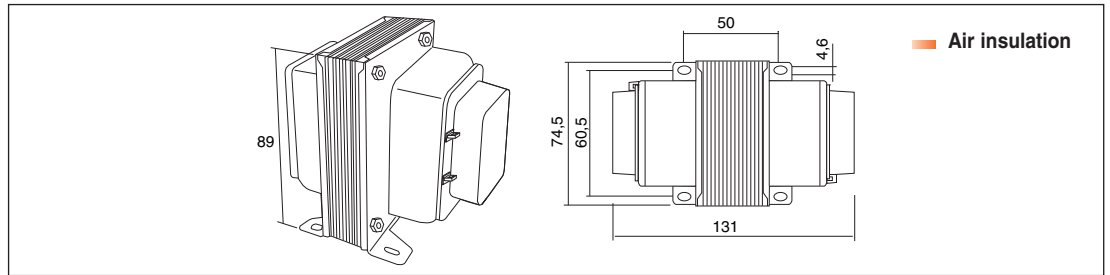
TVRE3



V	kg	class 1	
primary voltage	weight	code	VA
100	0,95	TVRE3 100/.....(value of secondary voltage)	3
110		TVRE3 110/.....(value of secondary voltage)	
115		TVRE3 115/.....(value of secondary voltage)	
230		TVRE3 230/.....(value of secondary voltage)	
380		TVRE3 380/.....(value of secondary voltage)	
400		TVRE3 400/.....(value of secondary voltage)	
440		TVRE3 440/.....(value of secondary voltage)	
500		TVRE3 500/.....(value of secondary voltage)	

V	kg	class 1	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	0,95	TVRE3 100R/.....(value of secondary voltage)	1,5
110: $\sqrt{3}$		TVRE3 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVRE3 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVRE3 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVRE3 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVRE3 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVRE3 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVRE3 500R/.....(value of secondary voltage)	

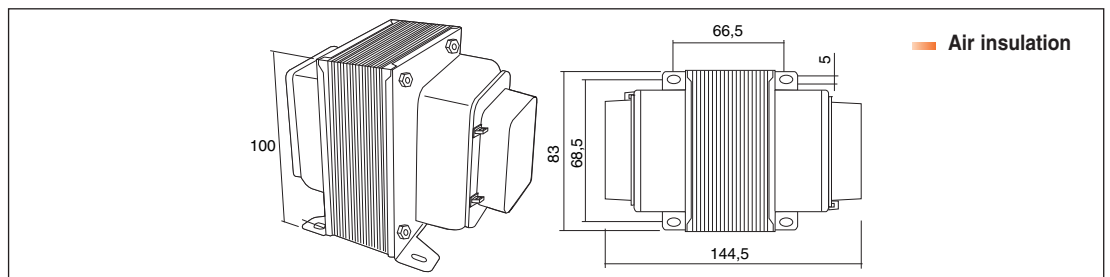
TVRE6



V	kg	class 1	
primary voltage	weight	code	VA
100	1,65	TVRE6 100/.....(value of secondary voltage)	6
110		TVRE6 110/.....(value of secondary voltage)	
115		TVRE6 115/.....(value of secondary voltage)	
230		TVRE6 230/.....(value of secondary voltage)	
380		TVRE6 380/.....(value of secondary voltage)	
400		TVRE6 400/.....(value of secondary voltage)	
440		TVRE6 440/.....(value of secondary voltage)	
500		TVRE6 500/.....(value of secondary voltage)	
600		TVRE6 600/.....(value of secondary voltage)	

V	kg	class 1	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	1,65	TVRE6 100R/.....(value of secondary voltage)	3
110: $\sqrt{3}$		TVRE6 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVRE6 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVRE6 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVRE6 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVRE6 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVRE6 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVRE6 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVRE6 600R/.....(value of secondary voltage)	

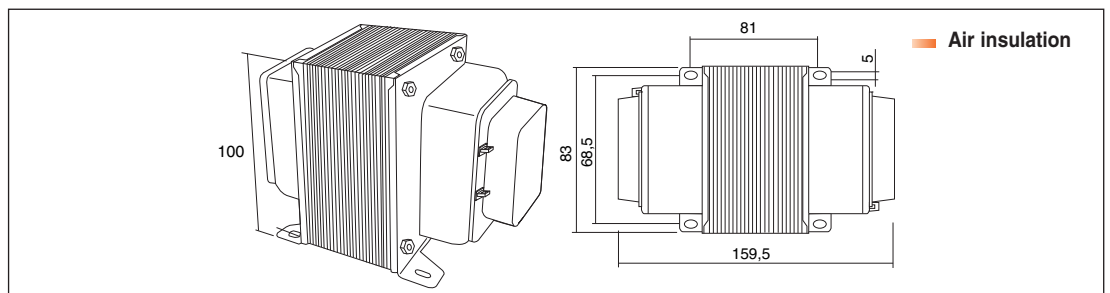
TVRE10



V	kg	class 1	
primary voltage	weight	code	VA
100	2,35	TVRE10 100/.....(value of secondary voltage)	10
110		TVRE10 110/.....(value of secondary voltage)	
115		TVRE10 115/.....(value of secondary voltage)	
230		TVRE10 230/.....(value of secondary voltage)	
380		TVRE10 380/.....(value of secondary voltage)	
400		TVRE10 400/.....(value of secondary voltage)	
440		TVRE10 440/.....(value of secondary voltage)	
500		TVRE10 500/.....(value of secondary voltage)	
600		TVRE10 600/.....(value of secondary voltage)	

V	kg	class 1	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	2,35	TVRE10 100R/.....(value of secondary voltage)	5
110: $\sqrt{3}$		TVRE10 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVRE10 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVRE10 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVRE10 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVRE10 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVRE10 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVRE10 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVRE10 600R/.....(value of secondary voltage)	

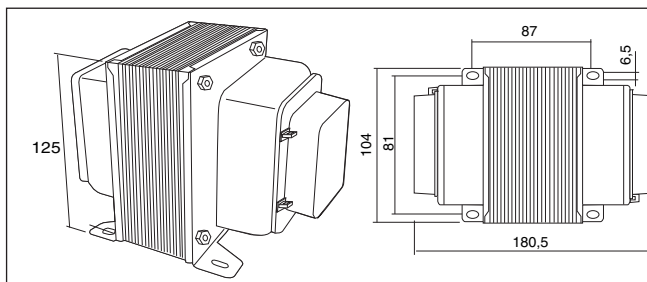
TVRE20



V	kg	class 1	
primary voltage	weight	code	VA
100	3,45	TVRE20 100/.....(value of secondary voltage)	20
110		TVRE20 110/.....(value of secondary voltage)	
115		TVRE20 115/.....(value of secondary voltage)	
230		TVRE20 230/.....(value of secondary voltage)	
380		TVRE20 380/.....(value of secondary voltage)	
400		TVRE20 400/.....(value of secondary voltage)	
440		TVRE20 440/.....(value of secondary voltage)	
500		TVRE20 500/.....(value of secondary voltage)	
600		TVRE20 600/.....(value of secondary voltage)	
800		TVRE20 800/.....(value of secondary voltage)	
1000		TVRE20 1000/.....(value of secondary voltage)	

V	kg	class 1	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	3,45	TVRE20 100R/.....(value of secondary voltage)	10
110: $\sqrt{3}$		TVRE20 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVRE20 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVRE20 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVRE20 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVRE20 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVRE20 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVRE20 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVRE20 600R/.....(value of secondary voltage)	
800: $\sqrt{3}$		TVRE20 800R/.....(value of secondary voltage)	
1000: $\sqrt{3}$		TVRE20 1000R/.....(value of secondary voltage)	

TVRE50

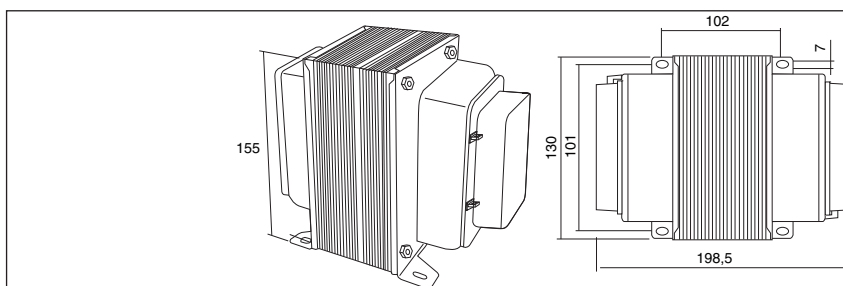


— Air insulation

V	kg	class 1	
primary voltage	weight	code	VA
100	6,35	TVRE50 100/.....(value of secondary voltage)	50
110		TVRE50 110/.....(value of secondary voltage)	
115		TVRE50 115/.....(value of secondary voltage)	
230		TVRE50 230/.....(value of secondary voltage)	
380		TVRE50 380/.....(value of secondary voltage)	
400		TVRE50 400/.....(value of secondary voltage)	
440		TVRE50 440/.....(value of secondary voltage)	
500		TVRE50 500/.....(value of secondary voltage)	
600		TVRE50 600/.....(value of secondary voltage)	
800		TVRE50 800/.....(value of secondary voltage)	
1000		TVRE50 1000/.....(value of secondary voltage)	

V	kg	class 1	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	6,35	TVRE50 100R/.....(value of secondary voltage)	25
110: $\sqrt{3}$		TVRE50 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVRE50 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVRE50 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVRE50 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVRE50 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVRE50 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVRE50 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVRE50 600R/.....(value of secondary voltage)	
800: $\sqrt{3}$		TVRE50 800R/.....(value of secondary voltage)	
1000: $\sqrt{3}$		TVRE50 1000R/.....(value of secondary voltage)	

TVRE100



— Air insulation

V	kg	class 1	
primary voltage	weight	code	VA
100	10,15	TVRE100 100/.....(value of secondary voltage)	100
110		TVRE100 110/.....(value of secondary voltage)	
115		TVRE100 115/.....(value of secondary voltage)	
230		TVRE100 230/.....(value of secondary voltage)	
380		TVRE100 380/.....(value of secondary voltage)	
400		TVRE100 400/.....(value of secondary voltage)	
440		TVRE100 440/.....(value of secondary voltage)	
500		TVRE100 500/.....(value of secondary voltage)	
600		TVRE100 600/.....(value of secondary voltage)	
800		TVRE100 800/.....(value of secondary voltage)	
1000		TVRE100 1000/.....(value of secondary voltage)	

V	kg	class 1	
primary voltage	weight	code (R means $\sqrt{3}$)	VA
100: $\sqrt{3}$	10,15	TVRE100 100R/.....(value of secondary voltage)	50
110: $\sqrt{3}$		TVRE100 110R/.....(value of secondary voltage)	
115: $\sqrt{3}$		TVRE100 115R/.....(value of secondary voltage)	
230: $\sqrt{3}$		TVRE100 230R/.....(value of secondary voltage)	
380: $\sqrt{3}$		TVRE100 380R/.....(value of secondary voltage)	
400: $\sqrt{3}$		TVRE100 400R/.....(value of secondary voltage)	
440: $\sqrt{3}$		TVRE100 440R/.....(value of secondary voltage)	
500: $\sqrt{3}$		TVRE100 500R/.....(value of secondary voltage)	
600: $\sqrt{3}$		TVRE100 600R/.....(value of secondary voltage)	
800: $\sqrt{3}$		TVRE100 800R/.....(value of secondary voltage)	
1000: $\sqrt{3}$		TVRE100 1000R/.....(value of secondary voltage)	

BAR INSULATORS



- Insulators made in polyester material reinforced with fiber glass
- With threaded metal insert M (ISO)
- Halogen and silicone free
- Operating temperature under load >200°C
- Dielectric constant 4-5
- Voltage arc resistance >180 sec
- Water absorption <0,3%
- Fire proof V0
- Standards ASTM-UL, ISO-IEC, 60439



	Code (without bolts)						Code (with bolts)					
	RINS-25	RINS-30	RINS-35	RINS-40	RINS-51	RINS-76	RINS-25S	RINS-30S	RINS-35S	RINS-40S	RINS-51S	RINS-76S
Height (mm)	25	30	35	40	51	76	25	30	35	40	51	76
Tensile strength (l _{bs})	500	550	600	650	1000	1500	500	550	600	650	1000	1500
Torque strength (ft l _{bs})	6	8	10	10	20	40	6	8	10	10	20	40
Voltage withstand (kV)	6	8	10	12	15	25	6	8	10	12	15	25
Bolt	M6	M8	M8	M8	M8	M10	M6	M8	M8	M8	M8	M10
Weight (g)	28	44	50	86	83	233	33	52	58	96	89	245

SHUNTS

The purpose of the shunt is to permit the passage of the current which exceeds the capacity of the instrument. The latter will therefore be supplied only with a current which corresponds to its capacity, thus avoiding the risk of damaging the measuring equipment. The shunts are resistances of very little value and for this reason they are at times formed by conductors with a bar of limited length and substantial rectangular section. For heat dissipation several bars in parallel are used, terminating in two clamps with a large contact surface. Alongside the two current clamps there are a further two clamps which serve to connect the ammeter. These clamps have lesser section as the current necessary for the instrument is much lower than that of the shunt. In fact, it is not so much a question of the shunt being parallel with the instrument as the instrument deriving from the clamps of the shunt, of which it utilizes the drop in voltage, withdrawing a part of the current of the circuit, proportionate with the total current.

TECHNICAL CHARACTERISTICS

STANDARDS

- Electrical characteristics: CENELEC HD 233, CEI 13-6, IEC 51, VDE 0410, BS 89, C 42-100
- Safety regulations: CENELEC HD 215, CEI 13-10, IEC 414, DIN 57410, BS 5458, C 42-010
- Dimensions DIN 43703

MATERIALS

- Body: Brass OT58 - UNI 4892
- Derivation with Manganina 43
- Accessories: zinc-iron 8.8

TEMPERATURES

- Referred temperature: 20°C ± 10°C respecting the precision of their class
- Working temperature: -25°C ÷ +60°C
- Storage temperature: -40°C ÷ +80°C
- Temperature's coefficient: 0,002% for each °C

HUMIDITY

- Relative humidity of the ambient ≤ 95%

PRECISION

- Class 0,5

OVERLOAD

- 1,2 In continuously
- 10 In for 5 seconds up to 250A
- 5 In for 5 seconds from 300 to 2000A
- 2 In for 5 seconds from 2500 to 6000A

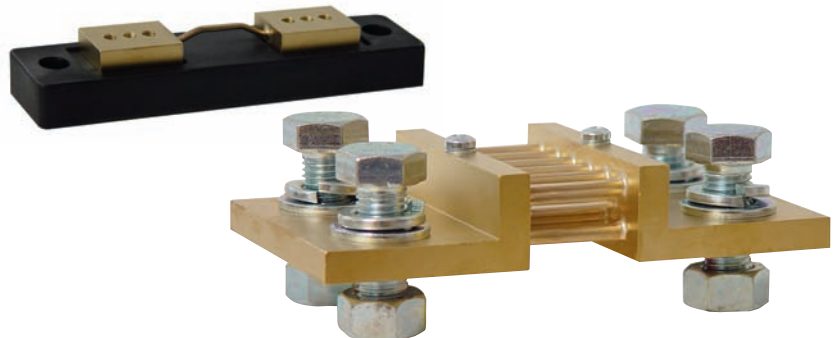
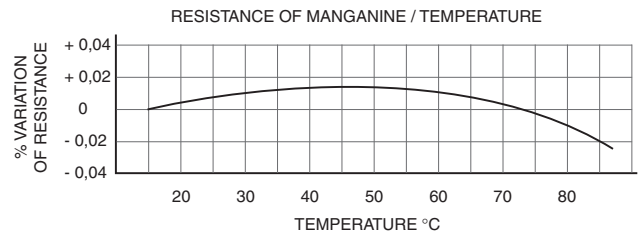
GENERAL

- Standard application: 60 mV and 150 mV
The 60mV shunts are used with a maximum load of 0,25 ohm ; in the case of greater loads or long connection cables, the 150mV shunts should be used.
- Standards require the following primary values: 1 - 1,5 - 2,5 - 4 - 6 - 10 - 15 - 25 - 40 - 60 - 100 - 150 - 250 - 400 - 600 - 1000 - 1500 - 2500 - 4000 - 6000 - 10000 - 15000 A. Primary values different from the standard can be manufactured on request.
- To ensure the unit functions perfectly Revalco insists the following points are observed:
 - They can be fitted in either a horizontal or vertical position (if horizontal there is a greater dissipation of heat)
 - The contact surface must be completely used.
 - The contact surface must be clean; after connecting, cover with special grease.
 - The screws and bolts must be perfectly tightened.
 - The shunts must be sufficiently ventilated.
- Due the fact that the shunts are not insulated, it is better to protect them against accidental contacts.

CODES LEGEND

- Code SH1K0A60MV identify a 1000A/60mV shunt
- Code SH1K5A60MV identify a 1500A/60mV shunt
- Code SH10KA60MV identify a 10000A/60mV shunt

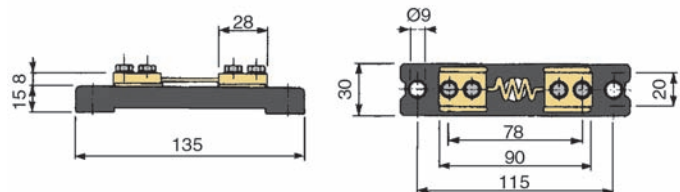
- Code SH1K2A150MV identify a 1200A/150mV shunt
- Code SH5K0A60MV identify a 5000A/60mV shunt



secondary 60 mV

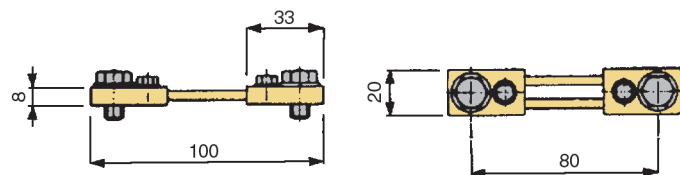
SH1A60MV ÷ SH25A60MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M5x12 DIN 933 + 4 washers M5 DIN 125A
- weight: 0,11 Kg



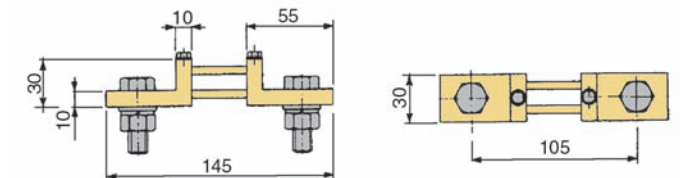
SH30A60MV ÷ SH200A60MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M8x16 DIN 933
+ 2 washers M5 DIN 125A + 2 washers M8 DIN 125A
- Weight: 0,14 Kg



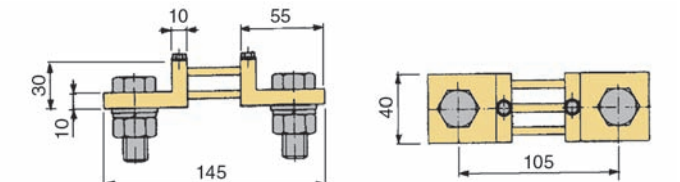
SH250A60MV ÷ SH350A60MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M12x40 DIN 933 + 2 nuts M12 DIN 934
+ 2 washers M5 DIN 125A + 2 washers M12 DIN 125A
+ 2 grower washers M12 DIN 127B
- Weight: 0,53 Kg



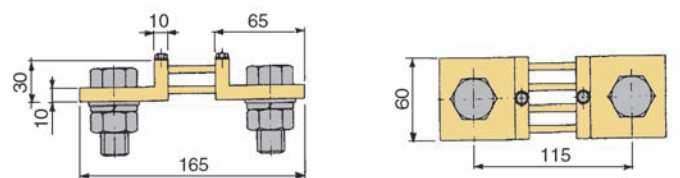
SH400A60MV ÷ SH700A60MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M16x45 DIN 933 + 2 nuts M16 DIN 934
+ 2 washers M5 DIN 125A + 2 washers M16 DIN 125A
+ 2 grower washers M16 DIN 127B
- Weight: 0,80 Kg



SH750A60MV ÷ SH1K0A60MV

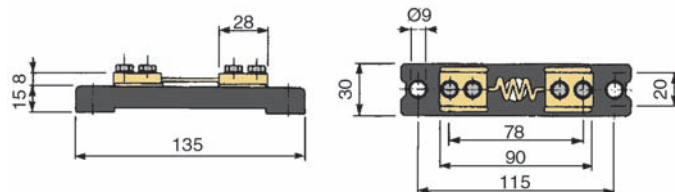
- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M20x50 DIN 933 + 2 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 2 washers M20 DIN 125A
+ 2 grower washers M20 DIN 127B
- Weight: 1,40 Kg



secondary 150 mV

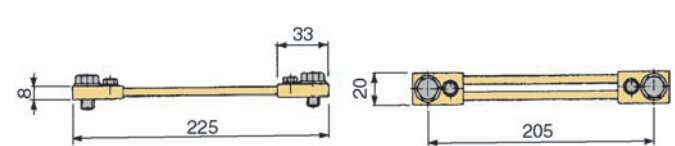
SH1A150MV ÷ SH25A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M5x12 DIN 933 + 4 weight M5 DIN 125A
- Peso: 0,11 Kg



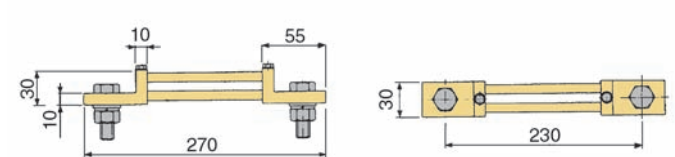
SH30A150MV ÷ SH200A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M8x16 DIN 933
+ 2 washers M5 DIN 125A + 2 washers M8 DIN 125A
- Weight: 0,20 Kg



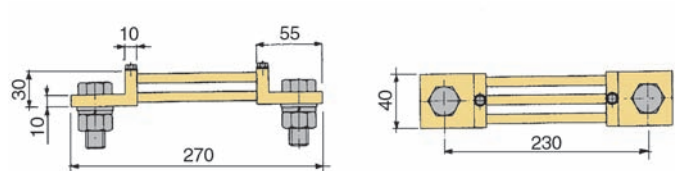
SH250A150MV ÷ SH350A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M12x40 DIN 933 + 2 nuts M12 DIN 934
+ 2 washers M5 DIN 125A + 2 washers M12 DIN 125A
+ 2 grower washers M12 DIN 127B
- Weight: 0,65 Kg



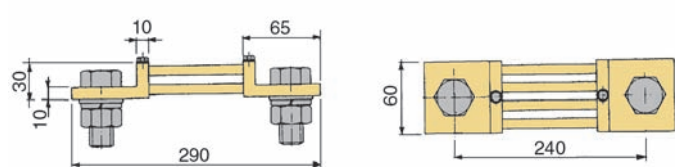
SH400A150MV ÷ SH700A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M16x45 DIN 933 + 2 nuts M16 DIN 934
+ 2 washers M5 DIN 125A + 2 washers M16 DIN 125A
+ 2 grower washers M16 DIN 127B
- Weight: 0,95 Kg



SH750A150MV ÷ SH1K0A150MV

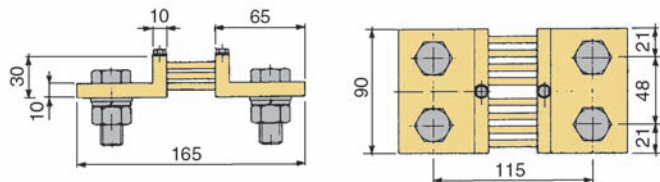
- Fixing packs:
2 screws M5x8 DIN 933 + 2 screws M20x50 DIN 933 + 2 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 2 washers M20 DIN 125A
+ 2 grower washers M20 DIN 127B
- Weight: 1,55 Kg



secondary 60 mV

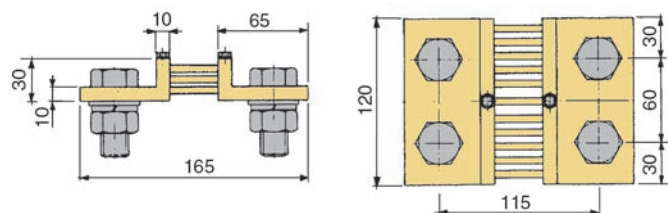
SH1K2A60MV ÷ SH1K5A60MV

- Fixing packs:
2 screws M5x8 DIN 933 + 4 screws M16x45 DIN 933 + 4 nuts M16 DIN 934
+ 2 washers M5 DIN 125A + 4 washers M16 DIN 125A
+ 4 grower washers M16 DIN 127B
- Weight: 1,90 Kg



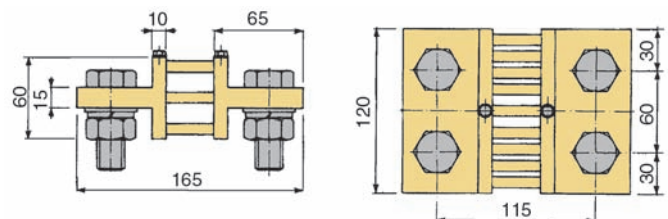
SH2K0A60MV ÷ SH2K5A60MV

- Fixing packs:
2 screws M5x8 DIN 933 + 4 screws M20x50 DIN 933 + 4 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 4 washers M20 DIN 125A
+ 4 grower washers M20 DIN 127B
- Weight: 2,75 Kg



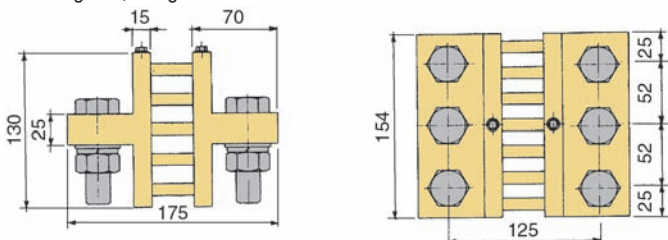
SH4K0A60MV

- Fixing packs:
2 screws M5x8 DIN 933 + 4 screws M20x60 DIN 933 + 4 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 4 washers M20 DIN 125A
+ 4 grower washers M20 DIN 127B
- Weight: 4,10 Kg



SH5K0A60MV ÷ SH6K0A60MV

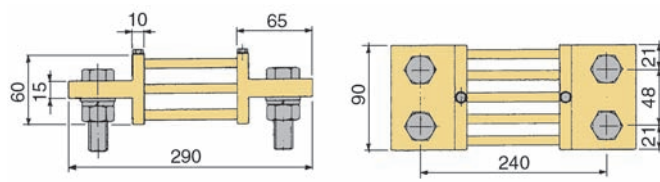
- Fixing packs:
2 screws M5x8 DIN 933 + 6 screws M20x75 DIN 933 + 6 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 6 washers M20 DIN 125A
+ 6 grower washers M20 DIN 127B
- Weight: 9,00 Kg



secondary 150 mV

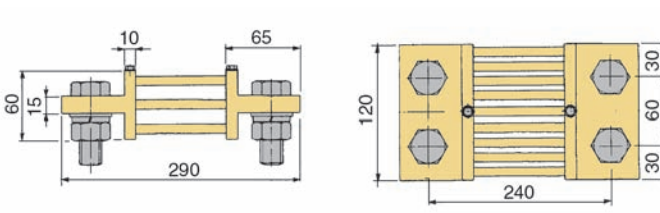
SH1K2A150MV ÷ SH1K5A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 4 screws M16x60 DIN 933 + 4 nuts M16 DIN 934
+ 2 washers M5 DIN 125A + 4 washers M16 DIN 125A
+ 4 grower washers M16 DIN 127B
- Weight: 2,20 Kg



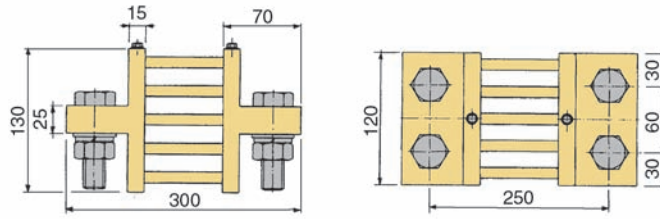
SH2K0A150MV ÷ SH2K5A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 4 screws M20x60 DIN 933 + 4 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 4 washers M20 DIN 125A
+ 4 grower washers M20 DIN 127B
- Weight: 3,10 Kg



SH4K0A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 4 screws M20x75 DIN 933 + 4 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 4 washers M20 DIN 125A
+ 4 grower washers M20 DIN 127B
- Weight: 4,65 Kg



SH5K0A150MV ÷ SH6K0A150MV

- Fixing packs:
2 screws M5x8 DIN 933 + 6 screws M20x75 DIN 933 + 6 nuts M20 DIN 934
+ 2 washers M5 DIN 125A + 6 washers M20 DIN 125A
+ 6 grower washers M20 DIN 127B
- Weight: 9,00 Kg

