

# SPLIT-CORE CURRENT TRANSFORMERS - T0 SERIES



T0105



T0162

- **Indoor**
- **Primary current from 100 to 25000 A**
- **Insulation 0.75/4 kV**
- **Measurement and protection**

Split-core current transformers moulded in self-extinguishing resin. This range has been designed to offer an excellent accuracy whatever the location of the primary conductor within the transformer window.

### Technical data

Highest voltage for equipment	750 V
Power-frequency withstand voltage	4000 V
Primary current I <sub>pn</sub>	100 to 25000 A
Secondary current I <sub>sn</sub>	5 or 1 A
Frequency	50 or 60 Hz
Rated output	1 to 200 VA
Accuracy class	0.5 - 1 - 3
Security factor	< 5
Continuous thermal current	1.2 I <sub>pn</sub>
Short-time thermal current I <sub>th</sub>	80 I <sub>pn</sub> .1s
Dynamic current I <sub>dyn</sub>	2.5 I <sub>th</sub>
Insulation class	E
Ambient temperature	-25 °C to +40 °C
Standards	CEI 44-1 - NF C42502 - VDE 0414 - BS 7626

### Other characteristics on request

Highest voltage for equipment	Up to 1200 V
Power-frequency withstand voltage	Up to 6000 V
Secondary current I <sub>sn</sub>	0.005 to 10 A
Accuracy class	5P - 10P - cIX
Accuracy limit factor	5 - 10 - 15 - 20 - 30
Ambient temperature	-40 °C to +70 °C
Standards	ANSI C57.13 - CAN3 C13 - AS 1675

### Accessories / Options

Sealable terminal cover

# SPLIT-CORE CURRENT TRANSFORMERS - TO SERIES

## Selection table

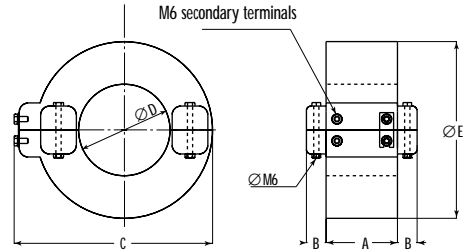
Ip A	Type	Output maximum VA		
		cl 3	cl 1	cl 0.5
100	T030	3.75	-	-
	T080	2.5	-	-
125	T030	5	-	-
	T080	2.5	-	-
	T0105	3.75	-	-
150	T030	5	-	-
	T080	5	-	-
	T0105	5	-	-
200	T030	10	-	-
	T080	10	-	-
	T0105	10	-	-
250	T030	20	10	-
	T080	15	5	-
	T0105	15	5	-
300	T030	20	15	-
	T080	20	7.5	-
	T0105	20	7.5	-
400	T0125	20	7.5	-
	T030	30	15	5
	T080	30	15	-
500	T0105	30	15	-
	T0125	30	10	-
	T0463	20	7.5	-
	T02100	20	7.5	-
	T0135	30	10	-
	T030	30	15	10
	T080	30	20	7.5
600	T0105	30	20	10
	T0125	30	20	10
	T0463	30	15	7.5
	T02100	30	15	7.5
	T0135	60	30	10
	T080	45	30	15
	T0105	45	30	15
750	T0125	45	30	15
	T0463	45	30	15
	T02100	45	30	15
800	T0135	100	45	30
	T080	45	30	15
	T0105	45	30	15
1000	T0125	45	30	15
	T0105	45	30	15
	T0125	45	30	15

Ip A	Type	Output maximum VA		
		cl 3	cl 1	cl 0.5
1000	T0463	45	30	15
	T02100	45	30	15
	T0135	100	60	30
1250	T0105	45	30	15
	T0125	45	30	15
1500	T0463	45	30	15
	T02100	45	30	15
	T0135	100	60	30
2000	T0162	60	45	30
	T0220	60	45	30
	T0125	60	45	30
	T02100	30	20	15
2500	T0135	60	45	30
	T0162	60	45	30
	T0220	60	45	30
	T0340	60	45	30
3000	T0125	45	30	20
	T0135	60	45	30
	T0162	60	45	30
	T0220	60	45	30
4000	T0340	60	45	30
	T0110	100	60	45
	T0135	100	60	45
	T0162	100	60	45
6000	T0220	100	60	45
	T0340	100	45	30
	T0430	100	45	30
	T0110	150	100	60
7500	T0162	100	60	45
	T0220	100	60	45
	T0340	100	60	45
	T0430	100	60	45
8000	T0550	100	60	45
	T0340	100	60	45
	T0430	100	60	45
	T0550	100	60	45
10000	T0110	250	150	100
	T0340	100	60	45
	T0430	100	60	45
	T0550	100	60	45
12500	T0220	200	150	60
	T0340	200	150	60
15000	T0430	150	90	45
	T0550	150	90	45
20000	T0220	200	150	60
	T0340	200	150	60
25000	T0430	200	100	60
	T0550	200	100	60

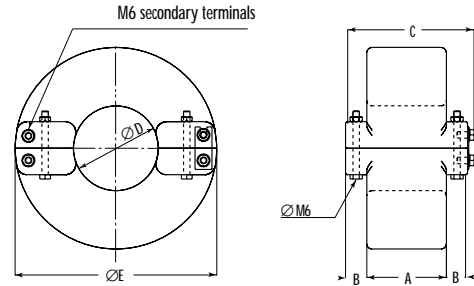
## Dimensions

Type	Weight kg	A mm	B mm	C mm	D mm	E mm	F mm
TO 30	3.5	76	19	120	30	150	-
TO 80	6.5	75	20	120	80	190	-
TO 105	5.9	72	22	222	105	203	-
TO 125	7	82	22	245	125	225	-
TO 463	4.5	65	36	160	127	85	195
TO 2100	5	104	20	195	112	85	236
TO 110	6	145	70	295	110	470	470
TO 135	25	135	135	280	293	130	310
TO 162	21	162	65	210	320	130	240
TO 220	22	220	51	187	356	118	215
TO 340	23	340	85	230	485	107	260
TO 430	23.5	430	130	270	570	95	300
TO 550	25	550	80	220	690	95	250

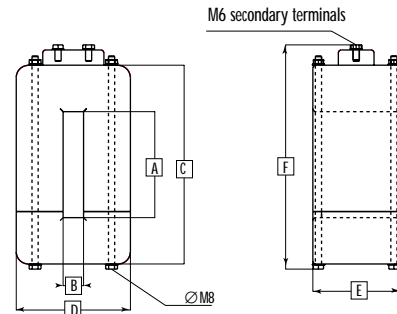
## T0105 - T0125



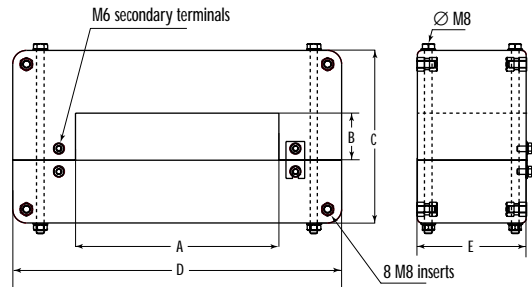
## T030 - T080



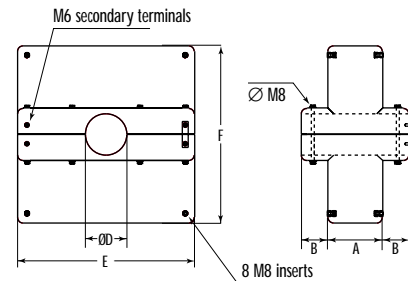
## T0463 - T02100



## T0135 - T0162...T0550



## T0110



## Installation

- Before tightening the 4 threaded rods, make sure that the contact surfaces of the magnetic circuit are perfectly clean. It is advisable to clean the surface of the magnetic circuit with an oiled rag.
- Tighten the 4 screws progressively and in diagonal order in order to achieve uniform tightening in one plane
- Maximum tightening torque: M6 threaded rods: 2 Nm  
M8 threaded rods: 5 Nm