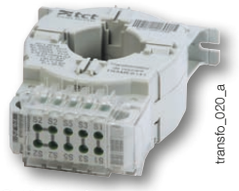
Current transformers

High accuracy measurement sensors
from 100 to 2000 A



Ø 40 Transformer
0.5 and 0.2s class

42 x 105 mm Transformer
0.2s class

Ø 90 Transformer
0.2s class

The solution for

> Current measurement and energy metering in HV/LV substations

Strong points

> Enedis approved
> High measurement accuracy
> Wide dimensions choice
> Multi-ratings
> Easy to install
> Easy to connect and secure

Compliance with standards

> IEC 61869-2
> Enedis-NOI-CPT_01E V5 Technical documentation on metering

Other products

> SOCOMEC can also offer the following customised solutions:
- Metering
- Other LV ratings
- Other dimensions

Please ask us for further details.

Function

SOCOMEC current transformers deliver a standard current to the secondary that is proportional to the primary current and adapted to the rating of the associated energy meter.

Advantages

High measuring accuracy

The very high 0.2s accuracy class guarantees maximum metering, even with low loads.

An 0.2s accuracy class means that the measurement has an error rate of 0.2% over a range of 20 to 120% of the nominal current (I_n) and at a specific accuracy above 1% of I_n.

Wide dimensions choice

Three models to allow through any primary conductor, cables or bar.

Please refer to the connection capacities on next page.

Multi-ratings

Multi-rating transformers offer great flexibility on installation. You can adapt the CT to the subscribed power without changing equipment.

They improve the continuity of the power supply by limiting network interruptions and outages.

Easy to install

3 types of fastenings for any type of mounting:

- On back-plate or section.
- On DIN rail.
- On busbars with isolated centring system.

Easy to connect and secure

- Connection of a secondary circuit by cage terminal for 6 mm² cables.
- Double connection to adapt to the cable input direction and to short-circuit the secondary after rating change.
- Sealing cover to prevent access to the rating settings.

socomec
Innovative Power Solutions

Characteristics

	TRAMES275	TRAMES276	TRAMES277	TRAMES278	TRAMES279
Winding ratio	100-200-500/5 A	200-500/5 A	200-500/5 A	500-1000-2000/5 A	500-1000-2000/5 A
Connection	S2 - S1: 500/5 A S2 - S3: 200/5 A S2 - S5: 100/5 A	S2 – S1: 500/5 A S2 – S3: 200/5 A	S2 – S1: 500/5 A S2 – S3: 200/5 A	S2 - S1: 2000/5 A S2 - S3: 1000/5 A S2 - S5: 500/5 A	S2 - S1: 2000/5 A S2 - S3: 1000/5 A S2 - S5: 500/5 A
Output power (VA)	3.75	7.5	7.5	7.5	7.5
Frequency	50 Hz				
Max. primary voltage	Umax = 0.72 kV				
Withstand voltage rated to industrial-level frequency	Ui = 3 kV				
Accuracy class	0.5	0.2s	0.2s	0.2s	0.2s
Operating conditions	-25 to +70°C ; <100% HR				

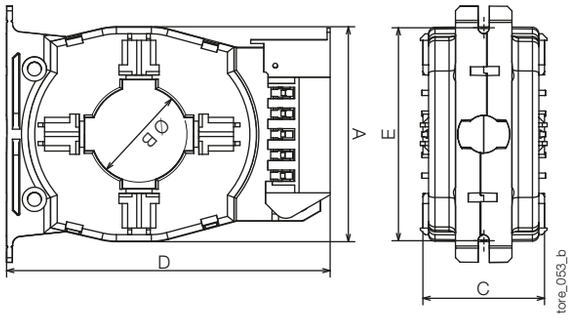
Connection

	TRAMES275 - TRAMES276	TRAMES277 - TRAMES278	TRAMES279
Primary circuit conductor	one Ø 40 mm cable or two 50 x 5 mm busbars	one Ø 90 mm cable or three 100 x 5 mm busbars	two 125 x 5 mm busbars and one 125 x 10 mm busbar

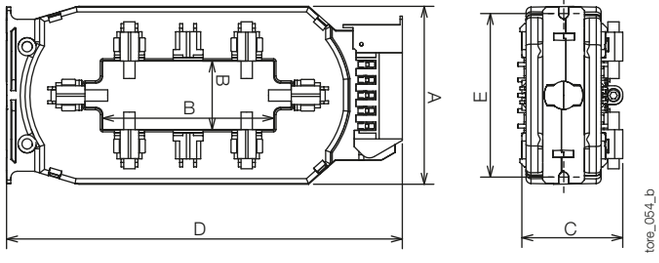
Dimensions

	TRAMES275 - TRAMES276	TRAMES277 - TRAMES278	TRAMES279
A (mm)	118	169	109
B (mm)	40	90	106 x 42
C (mm)	55	56	62
D (mm)	149	216	245
E (mm)	118	169	103

TRAMES275 to TRAMES278



TRAMES279



References

Primary ratings	Secondary	Reference
100, 200, 500 A	5 A	**TRAMES275**
200, 500 A	5 A	**TRAMES276**
200, 500 A	5 A	**TRAMES277**
500, 1000, 2000 A	5 A	**TRAMES278**
500, 1000, 2000 A	5 A	**TRAMES279**