

WSR - Loadresistors for current transformers

Different to the old electro-mechanical devices the new, static kWh-meters are characterized by a significantly lower power consumption. This effect holds the risk of charging the current transformer with a burden below the minimum value. Subject to standard IEC60044-1, the connected burden must obtain a value between 25% and 100% of the rated burden. Thereby, a more favorable instrument security factor is achieved and the class accuracy ensured.

The load resistors have been specially developed to bring the charge of a current transformer within 25% and 100% of the value mentioned on the type plate of the power transformer. The resistor has a reactance-free character because of which no extra phase displacement is caused.



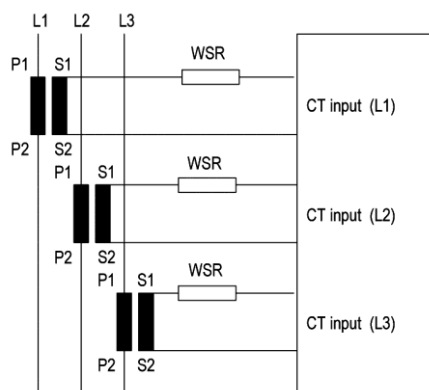
Technical specification

Accuracy	-10 - +20%
Rated terminal current	1,0*In continue / 60*In/1s
Class of insulation	E
Frequency	16 ^{2/3} , - 50, - 60Hz
Ambient temperature	40°C
Housing	Polycarbonate (PC)

Ordering specification

Type number	Model	P(VA)	Resistance
Type 5A			
4WS000	WSR30	1	0,04Ω
4WS001	WSR30	1,5	0,06Ω
4WS002	WSR30	2,5	0,1Ω
4WS004	WSR40	4	0,16Ω
Type 1A			
4WS006	WSR30	1,5	1,5 Ω
4WS003	WSR30	2,5	2,5 Ω
4WS005	WSR40	4	4 Ω

Wiring diagram



Dimensions

