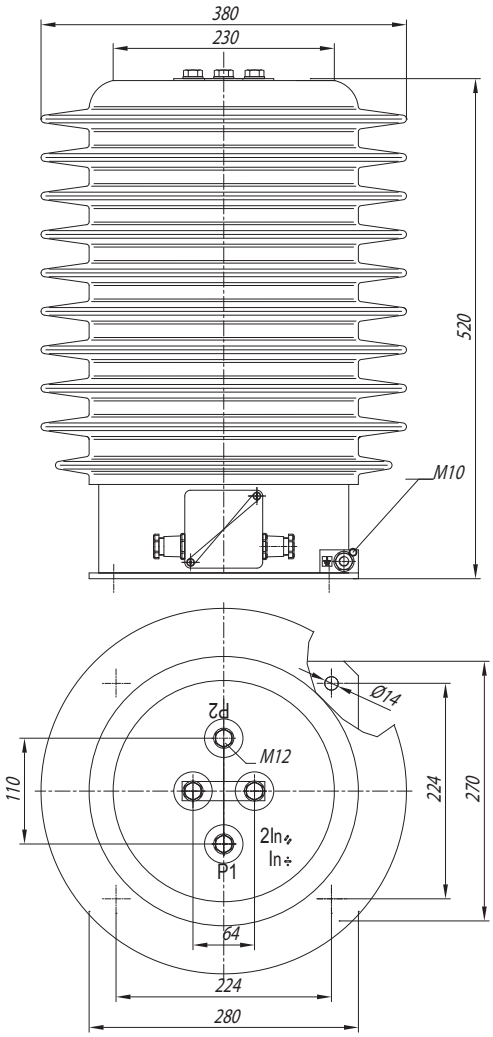
SMTSM-38*





SMTSM 3810

CURRENT TRANSFORMERS FOR OUTDOOR MOUNTING **SMTSM 38***

Type of transformer	Dimensions (mm)	Mass (kg)
SMTSM 38	520	~78
SMTSM 38L	520	~126
SMTSM 38b	486	~146

TECHNICAL DATA	SMTSM 38	SMTSM 38*L	SMTSM 38*b
Rated primary voltage (kV)	35		
Highest voltage for equipment (eff.) (kV)	38 (42)		
Rated power frequency withstand voltage 1min.(kV)	70 (95)		
Rated impulse withstand voltage 1.2/50 μs (kV)	170 (200)		
Creepage distance (mm)	1327	1327	1296
Mounting	Outdoor		
Rated frequency (Hz)	50/60		
Rated primary current (A)	5 do 3000* or 2x5 to 2x600		
Rated secondary current (A)	5 (ili 1)		
Rated accuracy class	0,2; 0,5; 0,2S; 0,5S; 1; 3; 5P; 10P		
Rated thermal current, 1 sec.	$I_{th} = 100\ I_n$		
Rated dynamic current	$I_{dyn} = 2{,}5\ I_{th}$		
Rated continuous thermal current	$I_{cth} = 1{,}2\ I_n$		
Number of cores	1-4		
Rated core power (VA)	5; 7,5; 10; 15; 30; 45*; 60*		
Temperature class of insulation	E		
Type of basic insulation	Cycloaliphatic resin		
Valid standards	IEC 61869-1; IEC 61869-2		

NOTE:
Designation examples:
SMTSM 3821L - transformer subtype SMTSM 38L, with two cores, primary-reconnectable;
SMTSM 3820 - transformer subtype SMTSM-38, with two cores, primary non-reconnectable;
SMTSM 3830b - transformer subtype SMTSM-38b, with three cores, primary non-reconnectable.
As a standard, we manufacture these transformers for a short-time thermal current of 100In, but we can also produce them for higher thermal currents (up to \500In or more) depending on the transformation ratio, class, and output of the cores.
Reconnection can be performed from the primary and secondary sides, and sealing can be done on the secondary side.
These models can also be for more demanding conditions - BIL (40.5/95/200 kV), as they feature a larger creepage distance (≥ 31 mm/kV).
When ordering, be sure to state the transformation ratio, rated output, accuracy class, and instrument security factor (the accuracy limit) factor for each core.

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