Crompton Instruments
Class PX Current Transformers

In some balanced protection systems where sensitivity and stability levels required are high, classes 5P10 or 10P10 may not be adequate. In these situations a Class PX current transformer will usually be specified. Class PX as defined in IEC60044-1/BSEN60044-1 allows the manufacturer of a protection device to detail more specific requirements of the current transformer so as to achieve a more sensitive protection scheme. Typically this will involve specifying the following information for the current transformer:

1) Turns ratio
2) Minimum kneepoint voltage
3) Maximum secondary resistance
4) Maximum excitation current at the rated minimum kneepoint voltage

To enquire about Class PX current transformers consult the factory with the above information together with any physical limiting dimensions and the aperture size required. If not all the above information is available, details of relay type, lead run from current transformer to relay and the fault current expected to flow through the zone protected by the current transformers will be required in order to provide a quotation.

TE connectivity ENERGY

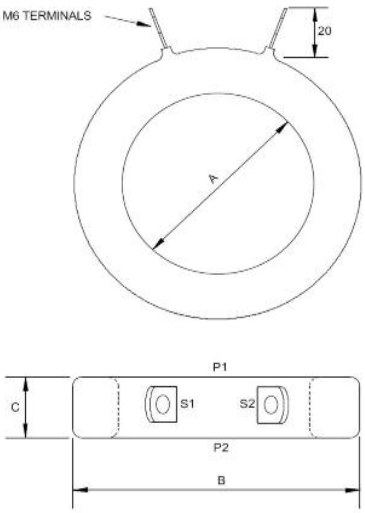
Product codes

Part number	Ratio	Class	Vk	Ω at 75°c	Dimensions A	B	C
81X-9412-501388	800/5	PX	52	0.35	65	135	65
81X-9412-501795	1000/5	PX	62	0.31	80	150	65
81X-9412-501802	1250/5	PX	85	0.45	90	160	65
81X-9412-501928	1600/5	PX	80	0.44	120	190	50
81X-9412-501386	1600/5	PX	72	0.5	123	188	49
81X-9412-501902	2500/5	PX	112	0.6	120	192	52
81X-9412-216148	2500/5	PX	124	0.78	119	191	52
81X-9412-501384	2500/5	PX	112	0.8	119	191	52

Specifications

System voltage	720V maximum
Test voltage	3kV for 1 minute
System frequency	50/60Hz
Service temperature	-20˚C to 70˚C
Humidity	Up to 95% RH (non condensing)
Insulation class	BS2757 Class Y
Compliant with	Ring Type CT BSEN60044-1:1999

Dimensions



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