



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.

Product codes

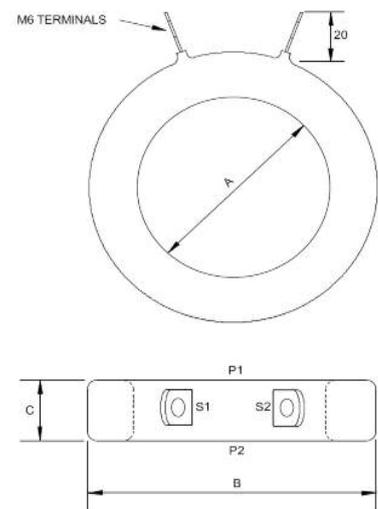
Part number	Ratio	Class	Vk	Ω at 75°C	Dimensions		
					A	B	C
81X-9412-501388	800/5	PX	52	0.35	65	135	65
81X-9412-501795	1000/5	PX	62	0.31	80	150	65
81X-9412-501802	1250/5	PX	85	0.45	90	160	65
81X-9412-501928	1600/5	PX	80	0.44	120	190	50
81X-9412-501386	1600/5	PX	72	0.5	123	188	49
81X-9412-501902	2500/5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



While TE Connectivity (TE) has made every reasonable effort to ensure the accuracy of the information in this catalogue, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalogue are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications. TE Connectivity and TE connectivity (logo) are trademarks. CROMPTON is a trademarks of Crompton Parkinson Limited and is used under licence. Other products or company names mentioned herein may be trademarks of their respective owners.

TE Energy - innovative and economical solutions for the electrical power industry: cable accessories, connectors & fittings, insulators & insulation, surge arresters, switching equipment, street lighting, power measurement and control.

Tyco Electronics UK Ltd

TE Energy
Freebournes Road
Witham, Essex CM8 3AH

Phone: +44 (0)870 870 7500

Fax: +44 (0)870 240 5287

Email: crompton.info@te.com

www.crompton-instruments.com

<http://energy.te.com>

Registered office:

Faraday Road, Dorcan
Swindon, SN3 5HH
Reg. no. 550 926

