

Specification Status: Released

Marking:

XX 23 R 05 HB

Week of Manufacture
Per Manufacturer's
Lot numbering system
Eg. H = Second half of 2004; B = week 2

Surge Rating
05: 5kA

Product Family

Voltage Designator
23: 230V

Manufacturer's Mark

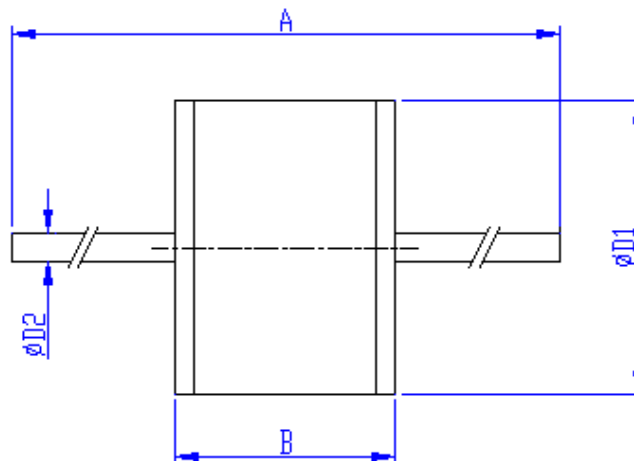


TABLE I. DIMENSIONS

	A		B		D1		D2
	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm	58.0	66.0	5.8	6.2	7.8	8.2	0.8
in*	(2.28)	(2.60)	(0.23)	(0.24)	(0.31)	(0.32)	(0.032)

*Rounded off approximation

TABLE II. ELECTRICAL CHARACTERISTICS

DC Sparkover Voltage*	Impulse Sparkover Voltage		Insulation Resistance	Capacitance	AC Discharge Current, 50 Hz	Impulse Discharge Current 10/1000 μ s	Impulse Discharge Current, 8/20 μ s
@ 100V/s	@100V/ μ s	@1000V/ μ s	@100V _{DC}	@1MHz	Multiple Hits (1s duration: 10 hits)	300 hits (150hits for each polarity)	10 hits (5hits for each polarity)
230V $\pm$ 15%	$\leq$ 600V	$\leq$ 700V	$\geq$ 10,000M Ω	<1pF	5Arms	100A	5kA

*In ionized mode

Testing methods and specifications referring to ITU-T K.12

General Characteristics:

No Radioactive Materials

Storage temperature: -40°C ... +90°C

Operating temperature: -40°C ... +90°C

Electrode: Ni Plating

Lead Material: Tin Plated

Agency Recognitions:

Precedence:

Effectivity:

CAUTION:

UL Recognized

This specification takes precedence over documents referenced herein

Reference documents shall be the issue in effect on the date of invitation for bid

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame



Expertise Applied | Answers Delivered

Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCA28-231L-R05

DOCUMENT: SCD28817

REV LETTER: A

REV DATE: JULY 17, 2014

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Materials Information

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



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