

# Three-phase Coupling/Decoupling Network

# SGN 3483T

## Datasheet



### In Compliance with

- > IEC 61000-4-5
- > IEC61010-1
- > GB/T3483
- > GB/T17626.5

### Introduction

SGN 3483T is designed to conduct surge test of combination wave. It is used to isolate surge signal. When using normal three-phase mains network, voltage wave tail attenuates too fast, which cannot meet the requirements in standards. Performance of this network can meet GB/T3483. It is featured with stable performance, powerful load capacity during coupling/decoupling test for 4/300 $\mu$ s and 10/200 $\mu$ s voltage wave. It can be equipped with SG-5020G surge test system to prevent damage by surge signal.

### Features

- > Decoupling pulse voltage up to 20kV
- > Decoupling impulse current 10kA
- > Decoupling lightning voltage wave of long tail
- > Decoupling pulse width up to 300 $\mu$ s
- > Decoupling lightning surge waveform:
  - voltage wave 4/300 $\mu$ s
  - Voltage wave 10/200 $\mu$ s
  - Combination wave 1.2/50 $\mu$ s, 8/20 $\mu$ s
  - Combination wave 10/700 $\mu$ s, 5/320 $\mu$ s

### Application Areas

- > Communication
- > Telecom
- > Medical
- > Broadcast
- > Railway
- > Technology
- > Military
- > Avionics
- > New energy

Technical parameters			
Lightening surge test	Common mode coupling		9 uF (+10 Ω)
	Deferential mode coupling		18 uF
	Injection surge voltage		< 20 kV
	Injection surge current		< 10k A (8/20 μs)
Impulse current test	Coupling mode	Gap coupling	Voltage test more than 3KV
		Capacitance coupling	Voltage test less than 3KV
	Injection surge voltage		1 kV - 20 kV
	Injection surge current		< 20 kA (8/20 μs)
Decoupling inductance			20 mH
Network load mains			Three-phase five-wire AC380V 50Hz, DC220 V
Max. Load current			16 A
Mains switch mode			Switch manually
Coupling superimposition mode			Manual
Over load current for short time			1.1 times time ≤ 1 minute

General parameters	
Working power supply range	AC 110V/220V(±10%), 50/60Hz (AC 220V 50Hz for China mainland)
Size	19"/22U (600x800x1250mm)
Weight	Approx 150kg
Temperature	15~35 °C
Humidity range	45%-75%
Air pressure range	86 kPa - 106 kPa

Basic accessories
Network, user manual, test report, test cable



## **SUZHOU 3CTEST ELECTRONIC CO., LTD.**

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192      Fax: +86-512-68079795

Sales Email: [globalsales@3ctest.cn](mailto:globalsales@3ctest.cn)      Service Email: [service@3ctest.cn](mailto:service@3ctest.cn)

[www.3c-test.com](http://www.3c-test.com)