

Three-phase coupling/decoupling network

SGN 3483T



As per

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

Description

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 μ s and 10/200 μ 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 lightening voltage wave of long tail
 - > Decoupling pulse width up to 300 μ s
 - > Decoupling lightening surge waveform: voltage wave 4/300 μ s
- Voltage wave 10/200 μ s
Combination wave 1.2/50 μ s, 8/20 μ s
Combination wave 10/700 μ s, 5/320 μ s

Industries

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

Technical parameters			
Lightening surge test	Common mode coupling		9uF (+10Ω)
	Deferential mode coupling		18uF
	Injection surge voltage		< 20kV
	Injection surge current		< 10kA (8/20μs)
Impulse current test	Coupling mode	Gap coupling	Voltage test more than 3KV
		Capacitance coupling	Voltage test less than 3KV
	Injection surge voltage		1kV-20kV
	Injection surge current		< 20kA (8/20μs)
	Decoupling inductance		20mH
Network load mains		Three-phase five-wire AC380V 50Hz, DC220V	
Max. Load current		16A	
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℃		
Humidity range	45%-75%		
Air pressure range	86kPa-106kPa		
Basic accessories			
Network, user manual, test report, test cable			



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