

CDN Series Operating Duty Power Supply

Datasheet



Introduction

SPD (surge protection device) would leak surge signals of lightning stroke, temporary overvoltage etc. in its normal operation, however, temporary impedance will decrease and short circuit may occur in the process of leakage, which may cause heat or fire and lead to incalculable loss. CDN 1500 heavy current follow current power supply can offer short-time heavy current to SPD and filter the surge signals at the same time to protect the power supply port from the interference of surge signal. The maximum follow current is 1500 A.

Features

- > Electrical automatic control power supply switching, large breaker is used to control the power supply
- > Arrestor overvoltage protection, over current relay double protection
- > Urgent protection button & power failure alarm function
- > 100 ms delay output overload protection
- > Use for AC current reverse filtering of 200 kA, 8/20 μ s waveform impulse current operating duty test
- > Internal discharging gap protection

Application Area

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

Technical Parameters	
Input Power Supply	380 V AC
Output Voltage	0 V ~550 V
Output Voltage Waveform Distortion Rate	≤3%
Short-Circuit Output Current	Less than 1500 A (effective value)
Output Current	1500 A 100 ms
Decoupling Network Inductance	150 mH/100 kV
Decoupling Network Capacitor	1×18 μF+2×9 μF (Double tube, be capable of operation in serial and parallel)
Surge Withstanding Capability On Load Side	I _p :5 kA ~200 kA; Phase angle : 0~360° U _c :500 V 5 A
Deciding Follow Current	I _{max} :5 kA ~150 kA;I _{imp} :1 kA ~35 kA; Phase angle: 0~360° U _c :500 V 1500 A
Preconditioning Test	I _n :5 kA ~150 kA;I _{peak} :1 kA ~15 kA; Phase angle : 0~360°, U _c :500 V 1500 A
Level I & Level II Operating Duty Tests	I _{max} :5 kA ~100 kA;I _{imp} :1 kA ~15 kA; Phase angle : 0~360° U _c :550 V 5 A
Work Mode	Switching manually

General Parameters	
Power supply	AC 380 V ± 10% single-phase
Ambient Temperature	15 °C - 35 °C
Dimension	2800 mm (L) x2500 mm (W) x2200 mm(H)
Weight	Approx. 2000 Kg



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 Service Email: service@3ctest.cn

www.3c-test.com