



CDN 3083-B200 EFT/BURST COUPLING/DECOUPLING NETWORK



- **Compliant with IEC 61000-4-4**
- **Up to 200 A AC or DC**
- **Up to 690 VAC**
- **Up to 1000 VDC**
- **Large overstress capability**
- **Easy handling and integration in test setup**
- **Compatible with all brands of burst generators**

The CDN 3083-B200 is a 3-phase burst pulse coupling decoupling network intended to allow EFT/Burst testing of equipment requiring large currents, specially designed for heavy industry, smart grid and electro vehicle applications.

The CDN 3083-B200 serves to inject fast transients (burst pulses) up to 8 kV (5/50 ns – 50 Ω) into the supply lines of the Equipment Under Test.

The CDN 3083-B200 is designed to be used with an EUT supply in AC mode up to 690 V in line to line or line to ground. DC voltage can be taken up to 1000 V line to line or line to ground.

Although designed for continuous duty at up to 200 A per phase, the unit can be subjected to considerably higher currents for short durations.

High inrush currents or pulse-shaped peak currents can be handled with ease. The current limitation is largely a matter of thermal loading and ambient temperature. A built-in thermometer enables the heating effect to be monitored.

Its small and compact design allows easy handling and comfortable setup possibilities in standard compliant application setups, where distances between CDN and EUT are specified quite short, and where the use of combined CDNs generally built in 19" racks show difficulties in meeting the test setup requirements specified by the standards.

The type of construction, inside a metal housing for use directly on the ground reference plane, ensures excellent HF earthing. The EUT supply connections take the form of generously dimensioned screw terminals.

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INA 163



INA 3243



CAS 3025



INA 6546

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Technical information:

Parameter	Value
EUT voltage:	690 V AC RMS 1000 VDC
EUT current:	≥200 A continuous The maximum permissible current is given by the heat dissipated in the coupler. As the temperature is monitored, the CDN 3043-S200 can be heavily overloaded until the temperature reaches 70° C
Burst voltage:	Max. 8800 V
Terminals:	Screw terminals, rated for 200 A
Temperature monitoring:	Bimetal-thermometer 0 to +120° C
Grounding:	Earth terminal 4 mm combined banana housing bottom direct to ground plane via housing bottom plate and brackets
Size:	430 x 310 x 190 mm
Weight:	11 kg approx.
EFT/burst connector:	SHV
Temperature range	
Operation:	+10 to +40°C
Storage:	30 to +70% (non condensing)
Air pressure:	860 to 1060 hPa
included accessories	
INA 3008	Isolated Allen key, for safe operation Coaxial cable 90 cm terminated with SHV plugs
User manual	
Calibration certificate	
Other accessories	
INA 163	Safety banana plug set (10 pcs) 6 to 4 mm
INA 3243	Measuring - calibration adapter
CAS 3025	Burst/EFT calibration terminator/attenuator set
INA 6546	Adapter plug for adaption to any EFT generator



Advanced Test Solutions for EMC