

Coupling-/Decoupling Network CDN 2802

Main	8* 48 V= / 2 A=
Surge	2.0 kV, 1.2/50 μs
Burst	2.0 kV, 5/50 ns



According to
IEC 61000-4-4
IEC 61000-4-5
IEEE 587

The capacitive Coupling-/Decoupling Network CDN 2802 is used in combination with the Multi-CE and allows superimposition of surge and burst test pulses to up to eight I/O signal lines.

The test set-up is suitable for surge immunity testing of electronic systems and devices according to IEC 61000-4-4:2012, IEC 61000-4-5:2014 and IEEE 587.

The coupling-/decoupling impedance of CDN 2802 can be switched to:

- for surge impulse: 0.1 μ F / 0.5 μ F + 40 Ω / 500 Ω , decoupling inductance 20 mH.
Optionally can be installed for 0.1 μ F a Varistor 48V
- for burst impulse : 33 nF, decoupling inductance 100 μ H.

Coupling mode can be selected from the front panel of the Multi-CE. Remote control commands are transmitted from the Multi-CE to the Coupling-/Decoupling Network by use of a data cable.

Technical specification:		CDN 2802
Nominal voltage		8 * 48 V=
Nominal current AC/DC		2 A=
max. test voltage	Surge, 1.2/50 µs:	2.0 kV
max. test voltage	Burst, 5/50 ns:	2.0 kV
Coupling impedance for the surge generator		0.1 µF / 0.5 µF + 40 Ω / 500 Ω
Coupling impedance for the burst generator		33 nF
Coupling mode, selectable, for the surge generator		line to line via 0.1/0.5 µF line to ground via 0.1/0.5 µF
Coupling mode, selectable, for the burst generator		line to ground via 33nF
Burst Input		Fischer
Surge Input		4 mm Bush
Mains power		90V - 264V , 50/60 Hz
Dimensions: desk top case	W * H * D	450*180*500 mm ³
Weight		20 kg