



**CDN 500**

## ISO 7637-3 Capacitive coupling clamp

**SCHAFFNER**  
safety for electronic systems



- Precision transient capacitive coupler
- Complies with ISO 7637-3
- High quality brass plated surfaces

The coupling clamp CDN 500 is manufactured exactly in accordance with the drawings and specifications of ISO 7637-3 for capacitively coupling the transients onto cables and wiring harnesses. With its characteristic impedance of 50Ω, the CDN 500 coupling clamp is

connected to the generator via a coaxial cable and terminated on the far side with a 50Ω load resistor. A suitable terminating load is available as an accessory under the type number INA 5050, which also provides a measurement output via a 40dB attenuator.

The coupling clamp will accept ribbon cables as well as round cables of up to 40mm diameter. The effective coupling capacitance depends on the cross section and the material of the cable used; a typical value being around 100pF.

### Technical specifications

Typical coupling capacitance:	100pF approx. (200pF max.)
Active length:	1000mm (39.4")
Diameter of round cables:	40mm (1.6") max.
Breakdown voltage:	>500V
Characteristic impedance:	50Ω ±10%
Connectors:	50Ω BNC (1 each side)
Dimensions:	L x W x H 1300 x 300 x 106mm (51.2 x 11.8 x 4.2")
Weight:	11.5kg (25lbs) approx.
Construction:	Brass with plated surface; coupling panel with roller hinges for precise positioning