

**CDN T8x**

**CDN IEC 61000-4-6**

**MAIN FEATURES**

## Electrical Specifications

	CDN T8	CDN T8-230	CDN T8A-10
Frequency Range	150 kHz to 80 MHz	150 kHz to 230 MHz	10 kHz to 80 MHz
Connector EUT Port	D-Sub 25 pins	RJ45	
Connector AE Port			
Line Parameters	1 up to 4 pair(s)	4 pairs	
Application Configuration	as given in the table “Application & adaptation“	Ethernet 1000BaseT	
AC max. voltage (L-GND)	63 V		
DC max. voltage (L-GND)	100 V		
Current Max	600 mA (line), 1.2 A (pair)		
Test Voltage, 2 sec.	200 VDC		
PoE	PoE+		
Common Mode Impedance (EUT Port)	150 kHz to 24 MHz: 150    ±20	150 kHz to 24 MHz: 150    ±20	10 kHz to 24 MHz: 150    ±20
	24 MHz to 80 MHz: 150    +60    /-45	24 MHz to 80 MHz: 150    +60    /-45	24 MHz to 80 MHz: 150    +60    /-45
		80 MHz to 230 MHz: 150    ±60	

## RF to EUT/AE Specifications

	CDN T8	CDN T8-230	CDN T8A-10
RF Port	BNC 50		
RF Voltage	< 33 V <sup>1</sup>	< 22 V <sup>1</sup>	< 33 V <sup>1</sup>
Voltage division factor (RF input to EUT port)	9.5 dB ±1 dB	10 dB ±1.5 dB	
Transmission bandwidth (wanted signal) EUT / AE B3 dB:	>100 MHz sin. <sup>2</sup>	>80 MHz sin. <sup>2</sup>	>100 MHz sin. <sup>2</sup>
Crosstalk (EUT and AE port)	1 MHz to 100 MHz: ≥ 61 dB to ≥21 dB		
Longitudinal conversion loss (LCL), typical values (EUT) port	150 kHz: >75 dB 1.5 MHz: >75 dB 30 MHz: >60 dB	150 kHz: >75 dB 1.5 MHz: >75 dB 30 MHz: >65 dB	
Decoupling of CM disturbance (RF port / AE) typ.	150 kHz: >35 dB 1.5 MHz: >55 dB 30 MHz: >55 dB 80 MHz: >45 dB	150 kHz: >55 dB 1.5 MHz: >55 dB 30 MHz: >45 dB 80 MHz: >35 dB	10 kHz: >20 dB 1.5 MHz: >55 dB 30 MHz: >55 dB 80 MHz: >45 dB
Footnote	1) in 300 loop 2) 3 dB bandwidth, all balanced parameters in relation to a symmetrical load of 100		