

CDN T4x

CDN IEC 61000-4-6

MAIN FEATURES

Electrical Specifications

	CDN T402-10	CDN T4A-10	CDN T442A	CDN T443A	CDN T444A	CDN T445A	CDN T4A
Frequency Range	10 kHz to 80 MHz		150 kHz to 80 MHz				
Connector EUT Port	4 mm banana	1 mm banana	D-Sub 25 pins				
Connector AE Port							
Line Parameters	2 pairs		1 up to 2 pair(s)				
Application Configuration	10/100BaseT, ISDN		ISDN basic rate access S0	ISDN primary rate access (2Mbps)	10BaseT, 100BaseT	ATM, FDDI	as given in the table “Application & adaptation“
AC max. voltage (L-GND)	63 V						
DC max. voltage (L-GND)	100 V						
Current Max	2 A (line), 4 A (pair)	600 mA (line), 1.2 A (pair)					
Test Voltage, 2 sec.	200 VDC						
PoE	PoE+						
Common Mode Impedance (EUT Port)	10 kHz to 24 MHz: 150 ±20 24 MHz to 80 MHz: 150 +60 /-45	150 kHz to 24 MHz: 150 ±20 24 MHz to 80 MHz: 150 +60 /-45					

RF to EUT/AE Specifications

	CDN T402-10	CDN T4A-10	CDN T442A	CDN T443A	CDN T444A	CDN T445A	CDN T4A
RF Port	BNC 50						
RF Voltage	< 33 V ¹		< 22 V ¹				
Voltage division factor (RF input to EUT port)	10 dB ±1.5 dB		9.5 dB ±1 dB				
Transmission bandwidth (wanted signal) EUT / AE B3 dB:	>100 MHz sin. ²						
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 to 30 MHz: >40 dB		150 kHz: >75 dB 1.5 MHz: >75 dB 30 MHz: >50 dB				
Decoupling of CM disturbance (RF port / AE) typ.	10 kHz: >20 dB 1.5 MHz: >55 dB 30 MHz: >55 dB 80 MHz: >45 dB		150 kHz: >35 dB 1.5 MHz: >55 dB 30 MHz: >55 dB 80 MHz: >40 dB				
Footnote	1) in 300 loop 2) 3 dB bandwidth, all balanced parameters in relation to a symmetrical load of 100						