

# Unshielded Symmetric Line Coupling Decoupling Network CDN 405T8(POE)



## **In Compliance With**

- > IEC 61000-4-5
- > EN 61000-4-5
- > GB/T 17626.5

#### Introduction

CDN 405T8 (POE) coupling/decoupling network is suitable for (surge test) 4 pairs of 8-wire unshielded symmetric high speed (POE) communication line coupling decoupling network with peak voltage up to 8KV. Designed in strict accordance with IEC 61000-4-5:2017 standards. The maximum data transfer rate is 1,000 MBit/s. Using high magnetic conductivity material as decoupling device, decoupling performance and transmission rate are stable, small size and easy to carry and use.

#### **Features**

- > Meet the requirements of IEC/EN 61000-4-5:2005 and IEC/EN 61000-4-5:2017
- Figure 11;
- > Used together with surge generator;
- >Coupled waveform1.2/50  $\mu$ s、8/20  $\mu$ s;
- > Transmission rate 1000 Mbit/s;
- > Powerful surge resistance, standard withstand voltage up to 8 kV.

Application Areas		
> Communication	> Telecom > Military	
> Medic	> Avionics	
> Broadcast	> New Energy	
> Railway	> New Energy	
	Vehicles	

www.3ctest.cn 3ctest> Page 1/3



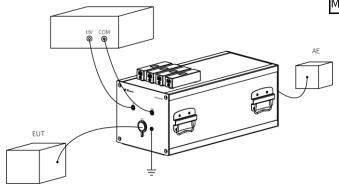
Technical Para	meters	
Model	CDN 405T8 (POE)	
Standard	IEC/EN 61000-4-5	
Coupling	1.2/50 μs, 8/20 μs	
Waveform		
Pulse Voltage	8 kV	
	4-pair-8-line unshielded line	
Coupling Mode	Common mode (line to	
	ground)	
Coupling	TVS	
Components		
Communication	RJ45 female connector to	
Port	connect communication line	
	Pair 1: pins 1 / 2	
Pin Assignment	Pair 2: pins 3 / 6	
Pin Assignment	Pair 3: pins 5 / 4	
	Pair 4: pins 7 / 8	
Data Transmission	1,000 MBit/s	
Rate		
Working Voltage	AC 50 V, DC 70 V	
Working Current	Max. 1 A	
Residual Voltage	<200 V(耦合浪涌电压)	
Decoupling Inductance	20 mH	

General Data		
Weight	Approx. 41 kg	
Dimension	600 mm(L)×310 mm(W)×310 mm(H)	
Enclosure	Aluminum	
Ambient	15 °C ~ 35 °C (operation condition)	
Temperature		
Relative	45% ~ 75% (operation condition)	
Humidity		
Packaging	Carton	
Вох		

Standard Ac	cessories	
Test Line	100F/RT	1 Pcs
Test Line	100F/ SW	1 Pcs
Test Line	150 A Yellow-green	1 Pcs
Short-Circuit Plug	U -type	1 Pcs
Current Limiting Module	NR 160Ω	4 Pcs
Cable	1 m cat 6 Network cable	2 Pcs
Data	original test certificate	1 part
	operation manual	1 part

Optional Accessories				
Current Limiting Module	NR 12.5Ω	4 Pcs		

### Test Connection Illustration:



www.3ctest.cn 3ctest> Page 2/3