Coupling/decoupling network for unshielded asymmetric communication line of damped oscillatory wave CDN 418AFL8

As per

> IEC 61000-4-18
> EN61000-4-18
> GB/T17626.12

Description

CDN 418AFL8 unshielded asymmetric coupling/decoupling network is designed to test low speed communication line for damped oscillatory wave. It can be used to test 5MBit/s Ethernet. There is no need to extra protect AE because of high decoupling capacity to make sure test repeatability. Max. residual voltage on AE port is only 90V when the surge voltage is 2kV. It fully meets the requirements of IEC/EN 61000 – 4-18. Stable decoupling capacity and transmission rate, easy to use and compact size.

Features

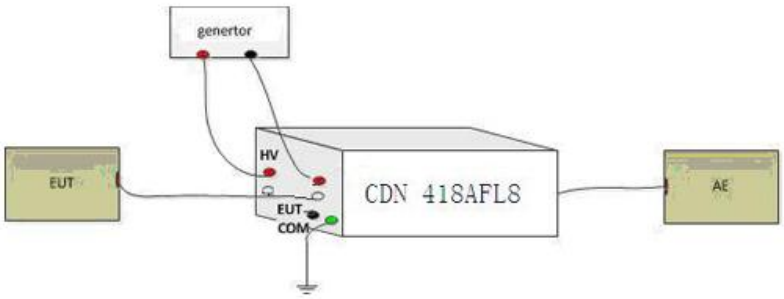
> Test output to 4-path 8-line communication line
> Max. withstanding peak voltage up to 6 kV (customized)
>Compatible to output port of other generators for communi cation test

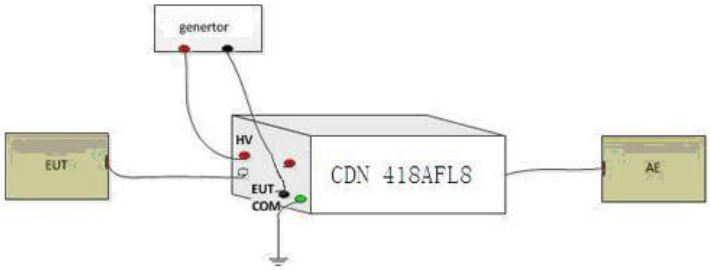
Industries

> Communication
> Technology
> Telecom
> Military
> Medical
> Avionics
> Broadcast
> New energy
> Railway

Technical parameters	
Standard	IEC/EN 61000 -4 -18
Coupling waveform	Damped oscillatory wave
Pulse voltage	4 kV(6kV, customized)
Coupling mode	4-pair unshielded asymmetric line
Coupling device	SCD 90 (90V gas discharging tube) internal
Communication frequency	<5MHz
Communication port	RJ45 female connector
Pin layout	Pair 1:pins 1/2
	Pair 2:pins 3/4
	Pair 3:pins 5/6
	Pair 4:pins 7/8
Data rate	Up to 5MBit/s
Working voltage	Max. 90V DC
Working current	Max. 1A
Decoupling inductance	20 mH
Residual voltage	90V
General data	
Weight	2.8kg
Dimension	250 (L)×200 (W)×133 (H) cm
Enclosure material	Aluminum
Temperature	15 ℃ -35 ℃ (operating condition)
Humidity	45% - 75% (operating condition)
Package case	Carton

Accessories		
HV cable	1m HV silicon cable with banana plug	1
Ground cable	0.5m yellow green	1
Short connection cable	black	1
SCD 90	Coupling module (internal)	2
Internet cable	1m	2
Documents	Factory test report	1
	User manual	1
Optional accessories		
SZC 33	Coupling module 33 nF	


genertor
HV
EUT
CDN 418AFL8
EUT
COM
AE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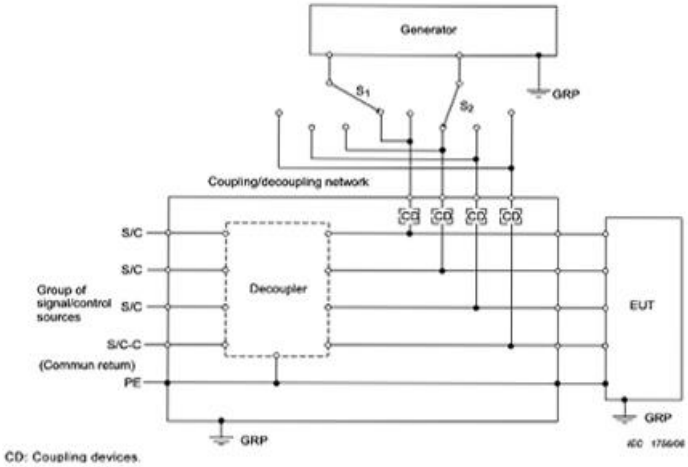
Generator
S1
S2
GRP
Coupling/decoupling network
CD
S/C
S/C
Group of signal/control sources
S/C
S/C-C
(Commun return)
PE
Decoupler
EUT
GRP
GRP
CD: Coupling devices.

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