

MODEL NUMBER:
CDN-M3-32A-HV

**COUPLING /
DECOUPLING NETWORK**



**IEC / EN 61000-4-6
IEC 61326-3-2, Ne-21**

- Coupling / Decoupling networks for the following frequencies:
150 kHz – 230 MHz:
Norm IEC / EN 61000-4-6
- Coupling / Decoupling networks for the following frequencies:
10 kHz – 230 MHz:
Norm IEC / EN 61000-4-6
IEC 61326-3-2, NE-21



Coupling networks for different applications. Special versions on request!

OVERVIEW

Coupling / decoupling networks (CDN´s) are used for immunity tests to conducted disturbances induced by radio frequency fields according to IEC / EN 61000-4-6 and other. A number of different types are available for different applications.

KEY FACTS

FIELD OF APPLICATION	EXAMPLES	TYPES
Unscreened supply lines (mains)	AC grid, direct current in industrial plants, ground connection	CDN-M
Unscreened unbalanced interconnection lines	Audio cable	CDN-AF
Unscreened balanced interconnection lines	Communication lines	CDN-T CDN-RJ
BUS-lines	CAN BUS	CAN-BUS
Shielded connecting cables	HDMI, coaxial cable, cable for LAN- and USB connections	CDN-S RJ45S USB HDMI Firewire

Detailed description by type number – refer to the following pages

CDN M

- Coupling / decoupling of interference signals on power supply lines AC + DC
- Nominal voltage up to 1000 V
- Rated current up to 100 A



Illustration CDN

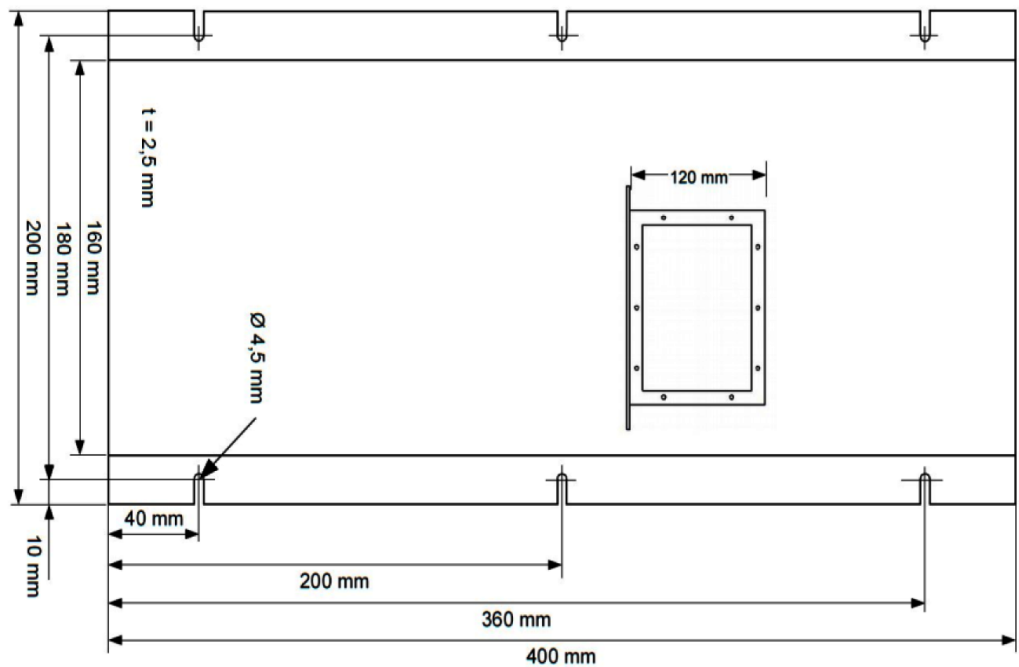
TECHNICAL DATA

RF In	
Frequency range (RF In)	(10 kHz) 150 kHz- 80 MHz / 230 MHz
Power Rating (RF In)	6 W (100 % ED)
Decoupling attenuation (RF In - AE)	> 30 dB (150 kHz - 80 MHz) > 15 dB (80 MHz - 230 MHz)
Insertion loss (RF In - EUT)	10 dB +2/-1 dB (150 kHz - 80 MHz) 10 dB + 5 dB (80 MHz - 230 MHz)
Connector	BNC
EUT / AE	
Max input range AC (L-PE)	600 V (1000 VHV)
Max. input voltage DC	1000 V
Max. input voltage	1000 V
Current rating (AE - EUT)	16 A / 32 A / 63 A / 100 A; (M1 / M2+3 I _{PE} <0.5 A)
Insertion loss (AE - EUT)	< 1 dB (DC - 100 kHz)
Connector	4 mm MC safety sockets
Mechanical data	
Dimensions (W x H x D)	200 x 122,5 x 400 mm

Model	Nennstrom (AE-EUT) (A)	Input voltage		Frequency range RF In				Terminal assignment	Case size		Connectors	
		AC (V)	DC (V)	10 kHz – 80 MHz	10 kHz – 230 MHz	150 kHz – 80 MHz	150 kHz – 230 MHz		160 x 84,5 x 240 mm	200 x 122,5 x 400 mm	4 mm MC safety sockets	6 mm round connectors (incl. assembled test leads)
M3-32 HV	32	600	1000			x		L, N, PE	1	2	x	

TECHNICAL DRAWING

Case size
Only M-types



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