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CDN M-Type

Coupling / Decoupling
of disturbing signal to

unscreened supply lines (mains) AC + DC

Rated voltage up to 1000 V
Rated current up to 100 A

Picture similar
CDN M2+M3 (up to 32A)

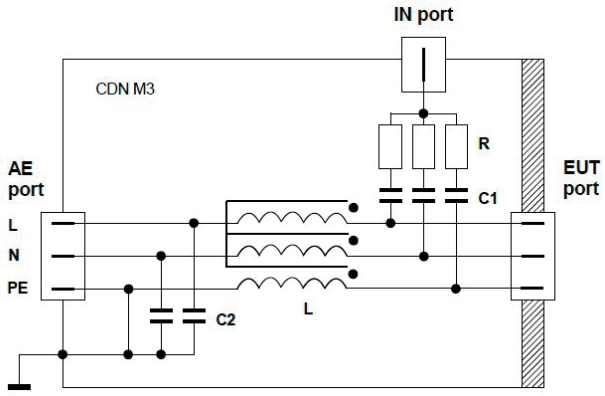

Diagram of CDN M3

AE site
CDN M5 (up to 32A)

AE site
CDN M4-N (up to 32A)

Specification:

Type	CDN M1 / M2 / M3 / M4 / M5 – M2+M3 -16A / 32A	CDN M2 / M3 / M4 / M5 -32A –HV (VHV)	CDN M2 /3 /4 /5 -63A -100A -HV
RF In	(10 kHz) 150 kHz – 80 MHz / 230 MHz (300 MHz)		
Power rating (RF In)	6 W (100 % ED)		
Decoupling attenuation (RF In – AE)	> 30 dB (150 kHz – 80 MHz) > 20 dB (80 MHz – 230 MHz)	> 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)	10 dB +2/-1 dB (150 kHz – 80 MHz) 10 dB + 5 dB (80 MHz – 230 MHz)	
Connector	BNC		
EUT / AE			
Max. input voltage AC (L – PE)	250 V	600 V (1000 VHV-Type)	600 V
Max. input voltage DC	400V	1000 V	600 V
Current rating (AE – EUT)	16A / 32A / 63 A / 100 A; (M1 / M2+3 I_{PE} <0.5 A)		
Connectors	4mm MC safety banana jack		6mm round connectors for current > 32A **Adequate safety test leads included**
Insertion loss (AE – EUT)	< 1dB (DC – 100 kHz)		
Dimensions (W x H x D)	160 x 84,5 x 240mm	200 x 122,5 x 400mm	

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Order number e.g. CDN M4-16	Current Rating (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	150 kHz – 300 MHz *		160 x 84,5 x 240 mm 1	200 x 122,5 x 400 mm 2	4 mm safety banana sockets	6 mm round connectors **
M1	16	250	400				x		PE	x		x	
M1_10	16	250	400		x				PE	x		x	
L1-16	16	250	400				x		L	x		x	
M2-16	16	250	400					x	L, N	x		x	
M2-16_10	16	250	400		x				L, N	x		x	
M2-32	32	250	400				x		L, N	x		x	
M2-32 HV	32	600	1000				x		L, N		x	x	
M2-63 HV	63	600	1000			x			L, N		x		x
M2-100 HV	100	600	1000			x			L, N		x		x
M2+M3-16	16	250	400					x	L, N, PE	x		x	
M2+M3-16_10	16	250	400		x				L, N, PE	x		x	
M2+M3-32	32	250	400				x		L, N, PE	x		x	
M3-16	16	250	400					x	L,N, PE	x		x	
M3-L16	16	250	400				x		3 x L	x		x	
M3-32	32	250	400				x		L, N, PE	x		x	
M3-L32	32	250	400				x		3 x L	x		x	
M3-L32_10	32	250	400		x				3 x L	x		x	
M3-LN32	32	250	400				x		L1, L2, N	x		x	
M3-32 HV	32	600	1000			x			L, N, PE		x	x	
M3-63 HV	63	600	1000			x			L, N, PE		x		x
M3-100 HV	100	600	1000			x			L, N, PE		x		x
M4-16	16	250	400				x		3 x L, PE	x		x	
M4-N16	16	250	400				x		3 x L, N	x		x	
M4-32	32	250	400				x		3 x L, PE	x		x	
M4-N32	32	250	400				x		3 x L, N	x		x	
M4-32_10	32	250	400		x				3 x L, PE	x		x	
M4-32 HV	32	600	1000			x			3 x L, PE		x	x	
M4-N63 HV	63	600	1000			x			3 x L, N		x		x
M4-63 HV	63	600	1000			x			3 x L, PE		x		x
M4-100 HV	100	600	1000			x			3 x L, PE		x		x
M4-N100 HV	100	600	1000			x			3 x L, N		x		x
M5-16	16	250	400				x		3 x L, N, PE	x		x	
M5-32	32	250	400				x		3 x L, N, PE	x		x	
M5-32 HV	32	600	1000			x			3 x L, N, PE		x	x	
M5-32 VHV	32	1000	1000			x			3 x L, N, PE		x	x	
M5-63 HV	63	600	1000			x			3 x L, N, PE		x		x
M5-100 HV	100	600	1000			x			3 x L, N, PE		x		x

*also for emission testing CISPR15 / CISPR22

for current ≥ 63 A **(safety test leads are included)

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Calibration adaptor to CDN M....

M - type	Order number
M1	CDG A 3101
M1_10	CDG A 3101
L1-16	CDG A 3101
M2-16	CDG A 3101
M2-16_10	CDG A 3101
M2-32	CDG A 3101
M2-32 HV	CDG A 3125
M2-63 HV	CDG A 3125
M2-100 HV	CDG A 3126
M2+M3-16	CDG A 3101
M2+M3-16_10	CDG A 3101
M2+M3-32	CDG A 3101
M3-16	CDG A 3101
M3-L16	CDG A 3101
M3-32	CDG A 3101
M3-L32	CDG A 3101
M3-L32_10	CDG A 3101
M3-LN32	CDG A 3101
M3-32 HV	CDG A 3125
M3-63 HV	CDG A 3125
M3-100 HV	CDG A 3126
M4-16	CDG A 3107 – AE-port
	CDG A 3128 – EUT-port
M4-N16	CDG A 3107 – AE-port
	CDG A 3128 – EUT-port

M - type	Order number
M4-32	CDG A 3107 – AE-port CDG A 3128 – EUT-port
M4-N32	CDG A 3107 – AE-port
	CDG A 3128 – EUT-port
M4-32_10	CDG A 3107 – AE-port
	CDG A 3128 – EUT-port
M4-32 HV	CDG A 3115
M4-N63 HV	CDG A 3115
M4-63 HV	CDG A 3115
M4-100 HV	CDG A 3116
M4-N100 HV	CDG A 3116
M5-16	CDG A 3107 – AE-port
	CDG A 3128 – EUT-port
M5-32	CDG A 3107 – AE-port
	CDG A 3128 – EUT-port
M5-32 HV	CDG A 3115
M5-32 VHV	CDG A 3115
M5-63 HV	CDG A 3115
M5-100 HV	CDG A 3116
Fastening angle with 50/150 Ohm adaptor	CDG A 3100

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