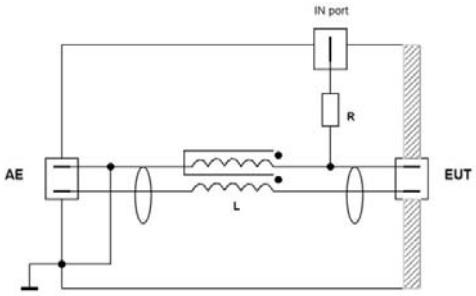
SCHLÖDER
EMV-Systeme & Komponenten

CDN S-Type

Coupling / Decoupling of disturbing signal to

screened lines



Simplified diagram for CDN S1

Although several cable / connector configurations are available, the disturbing signal is always injected on to the screened cable via a 100 Ω resistor.
A direct injection device - without decoupling circuit is available as well – see type CDN D 100.

Specification:

Order number	CDN S1 *	CDN S2	CDN S4	CDN S8	CDN S9	CDN S9_10	CDN S15	CDN S25
RF In								
Frequency range (RF In)	150 kHz – 230 MHz					10kHz – 230 MHz	150 kHz – 230 MHz	
Power Rating (RF In)	6 W (continuous)							
Decoupling attenuation (RF In – AE)	> 35 dB (150 kHz – 80 MHz) > 30 dB (80 MHz – 230 MHz)							
Insertion loss (RF In – EUT)	10 dB ± 1 dB (150 kHz – 80 MHz); 10 dB + 3 dB (80 MHz - 230 MHz)							
Connector	BNC female							
EUT / AE								
Maximum Input Voltage AC	150 VAC / 200 VDC							
Current Rating (AE – EUT)	1.5 A							
Insertion loss (AE – EUT)	< 1dB (0 – 10 MHz) < 10 dB (10 MHz – 500 MHz)							
Connectors EUT	BNC fem.	XLR ma.	5 pin ma. XLR	8 pin ma. Mini- DIN	9 pin male Sub-D		15 pin ma. Sub-D	25 pin ma. Sub-D
Connectors AE	BNC fem.	XLR fem.	5 pin fem. XLR	8 pin ma. Mini- DIN	9 pin female Sub-D		15 pin fem. Sub-D	25 pin fem. Sub-D
Mechanical Data	Case size 1							
Dimensions (W x H x D)	160mm x 84.5mm x 240 mm							

*also special version CDN S1_75 (with 75 ohm) available

311705 DB_CDN_e

Distributed by: Reliant EMC LLC, 3311 Lewis Ave, Signal Hill CA 90755, 408-916-5750, www.reliantemc.com

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Calibration adapter to CDN S.... *(Only need on EUT side!)*

S - type	Order number
S 1	CDG A 3103
S 1-75	CDG A 3103
S 2	CDG A 3104
S 4	CDG A 3130
S 8	CDG A 3129
S 9	CDG A 3105 (9 pin female Sub-D)
S 9_10	CDG A 3105 (9 pin female Sub-D)
S 15	CDG A 3113 (15 pin female Sub-D)
S 25	CDG A 3106 (25 pin female Sub-D)
Fastening angle with 50/150 Ohm adaptor	CDG A 3100

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