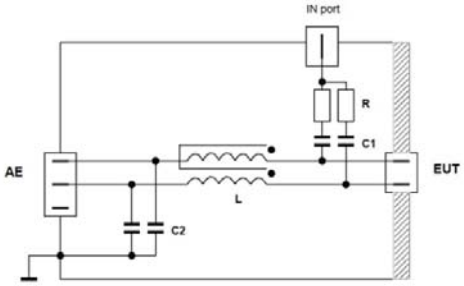
SCHLÖDER
EMV-Systeme & Komponenten

# CDN AF-Type

**Coupling / Decoupling**
**of disturbing signal to**

**unscreened unsymmetrical**
**nonbalanced interconnection lines**




CDN AF 5-MC - EUT-Seite

CDN AF 5-MC - AE-Seite

Circuit of CDN AF2 (Simplified diagram valid until CDN AF6). For CDN AF8, C2 is eliminated.

## Specification:

| Order number | **CDN AF…** |
|---|---|
| RF In | |
| Frequency range (RF in) | (10 kHz) 150 kHz – 80 MHz / 230 MHz (300 MHz) |
| Power Rating (RF In) | 6 W (continuous) |
| Decoupling attenuation (RF In – AE) | > 20 dB (150 kHz – 230 MHz) / > 40dB (1 MHz – 100 MHz) |
| Insertion loss (RF In – EUT) | 10 dB ± 1 dB (150 kHz – 80 MHz) / 10dB + 3dB (150 KHz –230 MHz) |
| Connector | BNC |
| EUT / AE | |
| Maximum input voltage | 100 VAC / 150 VDC |
| Current rating (AE – EUT) | 1,0 A |
| Insertion loss (AE – EUT) | < 1dB (DC – 100 kHz) |
| Connectors | Terminal block; safety banana jack |
| Mechanical date | |
| Dimensions (W x H x D) | 160 x 84,5 x 240mm |

311705 DB_CDN_e

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

SCHLÖDER
EMV-Systeme & Komponenten

| Order number<br><br>e.g.<br>CDN AF4-MC | Current Rating (AE - EUT) (A) | Input voltage | | Frequency range RF In | | | | | Case size | | Connector | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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<br>1 | 200 x 122,5 x 400 mm<br>2 | 4 mm safety banana sockets | Terminal clamp | 9 pin Sub-D female |
| AF2 | 1 | 100 | 150 | | | | | x | x | | | x | |
| AF2-MC | 1 | 100 | 150 | | | | | x | x | | x | | |
| AF2-MC_10 | 1 | 100 | 150 | | x | | | | x | | x | | |
| AF3 | 1 | 100 | 150 | | | | x | | x | | | x | |
| AF3-MC | 1 | 100 | 150 | | | | x | | x | | x | | |
| AF3-MC_10 | 1 | 100 | 150 | | x | | | | x | | x | | |
| AF4 | 1 | 100 | 150 | | | | x | | x | | | x | |
| AF4-MC | 1 | 100 | 150 | | | | x | | x | | x | | |
| AF4-MC_10 | 1 | 100 | 150 | | x | | | | x | | x | | |
| AF5-MC | 1 | 100 | 150 | | | | x | | x | | x | | |
| AF5-MC_10 | 1 | 100 | 150 | | x | | | | x | | x | | |
| AF8 | 1 | 100 | 150 | | | | x | | x | | | x | |
| AF8-MC | 16 | 250 | 400 | | | x | | | | x | x | | |
| AF8-MC_10 | 16 | 250 | 400 | x | | | | | | x | x | | |
| AF8-SUB-D_10 | 1 | 100 | 150 | | x | | | | x | | | | x |

*also for emission testing CISPR15 / CISPR22

## Calibration adaptor to CDN AF....

| AF - type | Order number |
|---|---|
| AF 2 | CDG A 3102 |
| AF 2-MC | CDG A 3101 |
| AF 2-MC_10 | CDG A 3101 |
| AF 3 | CDG A 3108 |
| AF 3-MC | CDG A 3101 |
| AF 3-MC_10 | CDG A 3101 |
| AF4 | CDG A 3108 |
| AF4-MC | CDG A 3128 – EUT-port |
| | CDG A 3107 – AE-port |
| AF4-MC_10 | CDG A 3128 – EUT-port |
| | |

| AF - type | Order number |
|---|---|
| AF5-MC | CDG A 3128 – EUT-port |
| | CDG A 3107 – AE-port |
| AF5-MC_10 | CDG A 3128 – EUT-port |
| AF8 | CDG A 3110 |
| AF8-MC | CDG A 3114 |
| AF8-MC_10 | CDG A 3114 |
| AF8-SUB-D_10 | CDG A xx |
| | |
| Fastening angle with 50/150 Ohm adaptor | CDG A 3100 |

311705 DB_CDN_e