

CDNS

COUPLING / DECOUPLING NETWORKS ACCORDING TO IEC/EN 61000-4-6, IEC/EN 60945 AND CISPR 15/EN 55015



FOR TESTS ACCORDING TO ...

- > CISPR 15
- > EN 55015
- > EN 60945
- > EN 61000-4-6
- > IEC 60945
- > IEC 61000-4-6

COUPLING/DECOUPLING NETWORKS FOR CONDUCTED IMMUNITY TESTING







Immunity test to conducted disturbances, induced by radio-frequency fields according to the standards IEC/EN 61000-4-6 and IEC/EN 60945 introduce different types of coupling/decoupling networks according to the characteristics of the interconnection lines. Dedicated CDNs are also used as per CISPR 15 and EN 55015 for measurement of emission. A large range of appropriate coupling/decoupling networks as well as the necessary accessories for standard compliant levelling are available.

You'll find an overview of all available CDN's on the datasheet. Apart from the listed standard coupling/decoupling networks EM TEST also supply special or customised coupling/decoupling networks.

HIGHLIGHTS

- > **M-type CDNs for supply lines up to 100 A**
- > **S-type CDNs for shielded lines and different types of connectors (BNC, USB, SubD etc.)**
- > **T-type CDNs for telecom lines**
- > **AF-type CDNs for unbalanced lines**
- > **RF voltage max. 30V**

APPLICATION AREAS

- | | |
|---|--|
|  INDUSTRY |  TELECOM |
|  MEDICAL |  RESIDENTIAL |
|  BROADCAST |  RENEWABLE ENERGY |

TECHNICAL DETAILS

QUALITY BY LÜTHI

THE PRODUCTION UNDER ONE ROOF

The Lüthi brand is one of the world's leading and best known manufacturers of coupling/decoupling networks for conducted immunity testing and emission measurement as well as of EMC measuring clamps and accessories.

In January 2010 the Lüthi brand became a part of the EM TEST Group. It will be independently operated and the Lüthi brand will remain.

CDNS FOR MAINS SUPPLY LINES,
TYPE M

16 A M-TYPE CDN MODELS

M1	For Earth conductor - AE: 4mm safety lab connector - EUT: 4mm safety lab connector - AC: max. 250 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 230 MHz
M1-10kHz	For Earth conductor - AE: 4mm safety lab connector - EUT: 4mm safety lab connector - AC: max. 250 V/16 A - DC: max. 1,000 V/16 A - Frequency 10 kHz - 80 MHz
M2	For 2 AC/DC supply lines - AE: IEC 60320/C14 connector - EUT: 4mm safety lab connectors - AC/DC: max. 250 V/16 A - Frequency 150 kHz - 300 MHz
M2-1000V	For 2 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC/DC: max. 1,000 V/16 A - Frequency 150 kHz - 80 MHz
M2-10kHz	For 2 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 250 V/16 A - DC: max. 1,000 V/16 A - Frequency 10 kHz - 80 MHz
M2-10kHz/500V	For 2 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 500 V/16 A - DC: max. 1,000 V/16 A - Frequency 10 kHz - 80 MHz
M2-500V	For 2 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 500 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 80 MHz
M2-750V	For 2 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 750 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 80 MHz

TECHNICAL DETAILS
16 A M-TYPE CDN MODELS (CONTINUATION)

M2 Banana	For 2 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 250 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 300 MHz
M2/M3	For 2 or 3 AC/DC supply lines (switchable) - AE: IEC 60320/C14 connector - EUT: 4mm safety lab connectors - AC/DC: max. 250 V/16 A - Frequency 150 kHz - 300 MHz
M3	For 3 AC/DC supply lines - AE: IEC 60320/C14 connector - EUT: 4mm safety lab connectors - AC/DC: max. 250 V/16 A - Frequency 150 kHz - 300 MHz
M3 Banana	For 3 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 250 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 300 MHz
M3-10kHz	For 3 AC/DC supply lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 250 V/16 A - DC: max. 1,000 V/16 A - Frequency 10 kHz - 80 MHz
M3-500V	For 3 AC/DC supply lines (L,N,PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 500 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 80 MHz
M3-400V Delta	For 3 AC supply lines (L1/L2/L3) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 230 MHz
M4 PE	For 4 AC supply lines (L1/L2/L3/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 230 MHz
M4 N	For 4 AC supply lines (L1/L2/L3/N) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 230 MHz

16 A M-TYPE CDN MODELS (CONTINUATION)

M5	For 5 AC supply lines (L1/L2/L3/N/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/16 A - DC: max. 1,000 V/16 A - Frequency 150 kHz - 230 MHz
----	---

TECHNICAL DETAILS

32 A M-TYPE CDN MODELS	
M1-32A	For Earth conductor - AE: 4mm safety lab connector - EUT: 4mm safety lab connector - AC: max. 250 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 230 MHz
M1-32A/1000V	For Earth conductor - AE: 4mm safety lab connector - EUT: 4mm safety lab connector - AC/DC: max. 1,000 V/32 A - Frequency 150 kHz - 80 MHz
M2-32A	For 2 AC/DC supply lines (L/N) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 250 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 230 MHz
M2-32A/750V	For 2 AC/DC supply lines (L/N) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 750 V/32 A - DC: max. 1,000 V/32 A - Frequency 150kHz - 80 MHz
M2-32A/1000V	For 2 AC/DC supply lines (L/N) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC/DC: max. 1,000 V/32 A - Frequency 150 kHz - 80 MHz
M3-32A	For 3 AC/DC supply lines (L/N/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 250 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 230 MHz
M3-32A/400V Delta	For 3 AC supply lines (L1/L2/L3) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 230 MHz
M3-32A/750V Delta	For 3 AC supply lines (L1/L2/L3) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 750 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 80 MHz
M3-32A/750V	For 3 AC/DC supply lines (L/N/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 750 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 80 MHz

32 A M-TYPE CDN MODELS (CONTINUATION)	
M4 PE-32A	For 4 AC supply lines (L1/L2/L3/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 230 MHz
M4 PE-32A/750V	For 4 AC supply lines (L1/L2/L3/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 750 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 80 MHz
M4 N-32A	For 4 AC supply lines (L1/L2/L3/N) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 230 MHz
M4 N-32A/750V	For 4 AC supply lines (L1/L2/L3/N) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 750 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 80 MHz
M5-32A	For 5 AC supply lines (L1/L2/L3/N/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 400 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 230 MHz
M5-32A/750V	For 5 AC supply lines (L1/L2/L3/N/PE) - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 3 x 750 V/32 A - DC: max. 1,000 V/32 A - Frequency 150 kHz - 80 MHz

TECHNICAL DETAILS

50 A / 75 A / 100 A M-TYPE CDN MODELS	
M1-50A	For Earth conductor - AE: 6mm safety lab connector - EUT: 6mm safety lab connector - AC: max. 250 V/50 A - DC: max. 750 V/50 A - Frequency 150 kHz - 80 MHz
M1-75A	For Earth conductor - AE: 6mm safety lab connector - EUT: 6mm safety lab connector - AC: max. 250 V/75 A - DC: max. 750 V/75 A - Frequency 150 kHz - 80 MHz
M1-100A	For Earth conductor - AE: 6mm safety lab connector - EUT: 6mm safety lab connector - AC: max. 250 V/100 A - DC: max. 750 V/100 A - Frequency 150 kHz - 80 MHz
M2-50A	For 2 AC/DC supply lines (L/N) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 250 V//50 A - DC: max. 750 V/50 A - Frequency 150 kHz - 80 MHz
M2-50A/750V	For 2 AC/DC supply lines (L/N) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC/DC: max. 750 V/50 A - Frequency 150 kHz - 80 MHz
M2-75A	For 2 AC/DC supply lines (L/N) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 250 V/75 A - DC: max. 750 V/75 A - Frequency 150 kHz - 80 MHz
M2-100A	For 2 AC/DC supply lines (L/N) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 250 V/100 A - DC: max. 750 V/100 A - Frequency 150 kHz - 80 MHz
M3-50A	For 3 AC/DC supply lines (L/N/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 250 V/50 A - DC: max. 750 V/50 A - Frequency 150 kHz - 80 MHz
M3-75A	For 3 AC/DC supply lines (L/N/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 250 V/75 A - DC: max. 750 V/75 A - Frequency 150 kHz - 80 MHz

50 A / 75 A / 100 A M-TYPE CDN MODELS (CONTINUATION)	
M3-100A	For 3 AC/DC supply lines (L/N/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 250 V/100 A - DC: max. 750 V/100 A - Frequency 150 kHz - 80 MHz
M4 PE-75A	For 4 AC supply lines (L1/L2/L3/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 400 V/75 A - DC: max. 750 V/75 A - Frequency 150 kHz - 80 MHz
M4 PE-100A	For 4 AC supply lines (L1/L2/L3/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 400 V/100 A - DC: max. 750 V/100 A - Frequency 150 kHz - 80 MHz
M4 N-75A	For 4 AC supply lines (L1/L2/L3/N) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 400 V/75 A - DC: max. 750 V/75 A - Frequency 150 kHz - 80 MHz
M4 N-100A	For 4 AC supply lines (L1/L2/L3/N) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 400 V/100 A - DC: max. 750 V/100 A - Frequency 150 kHz - 80 MHz
M4 N-100A/750V	For 4 AC supply lines (L1/L2/L3/N) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 750 V/100 A - DC: max. 750 V/100 A - Frequency 150 kHz - 80 MHz

TECHNICAL DETAILS
**50 A / 75 A / 100 A M-TYPE CDN MODELS
(CONTINUATION)**

M5-75A	For 5 AC supply lines (L1/L2/L3/N/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 400 V/75 A - DC: max. 750 V/75 A - Frequency 150 kHz - 80 MHz
M5-75A/750V	For 5 AC supply lines (L1/L2/L3/N/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 750 V/75 A - DC: max. 750 V/75 A - Frequency 150 kHz - 80 MHz
M5-100A	For 5 AC supply lines (L1/L2/L3/N/PE) - AE: 6mm safety lab connectors - EUT: 6mm safety lab connectors - AC: max. 3 x 400 V/100 A - DC: max. 750 V/100 A - Frequency 150 kHz - 80 MHz

**CDNS FOR SHIELDED SIGNAL LINES,
TYPE S**
S-TYPE CDN MODELS

S1-50 BNC	For 1 screened coaxial line - AE/EUT: BNC-connectors 50 ohm - AC/DC: max. 100 V/0.25 A - Frequency 150 kHz - 230 MHz
S1-50 N	For 1 screened coaxial line - AE/EUT: N-connectors 50 ohm - AC/DC: max. 100 V/0.25 A - Frequency 150 kHz - 230 MHz
S1-50 SMA	For 1 screened coaxial line - AE/EUT: SMA-connectors 50 ohm - AC/DC: max. 100 V/0.25 A - Frequency 150 kHz - 230 MHz
CDN S1-75 BNC	For 1 screened coaxial line - AE/EUT: BNC-connectors 75 ohm - AC/DC: max. 100 V/0.25 A - Frequency 150 kHz - 230 MHz
S1-75 N	For 1 screened coaxial line - AE/EUT: N-connectors 75 ohm - AC/DC: max. 100 V /0.25 A - Frequency 150 kHz - 230 MHz
S2 BNC	For 2 screened lines - AE/EUT: BNC-connectors - AC/DC: max. 100 V /1.5 A - Frequency 150 kHz - 230 MHz
S4 BNC	For 4 screened lines - AE/EUT: BNC-connectors - AC/DC: max. 100 V /1.5 A - Frequency 150 kHz - 80 MHz
S4-3A BNC	For 4 screened lines - AE/EUT: BNC-connectors - AC/DC: max. 100 V /3 A - Frequency 150 kHz - 80 MHz
S4 USB	For screened cables, 4 lines - AE/EUT: USB (A/A) connectors - AC/DC: max. 100 V /1 A - Frequency 150 kHz - 230 MHz
USB 3.0	For screened cables, 9 lines - AE: USB 3.0 (B) connectors - EUT: USB 3.0 (A) connectors - AC/DC: max. 100 V /1 A - Frequency 150 kHz - 230 MHz

TECHNICAL DETAILS

S-TYPE CDN MODELS (CONTINUATION)

S8 RJ45	For screened cables, 4 x 2 lines - AE/EUT: RJ45-connectors - AC/DC: max. 100 V /1.5 A - Frequency 150 kHz - 230 MHz
S8 RJ45-10kHz	For screened cables, 4 x 2 lines - AE/EUT: RJ45-connectors - AC/DC: max. 100 V /1.5 A - Frequency 10 kHz - 80 MHz
S9	For screened cables, 9 lines - AE/EUT: Sub-D9 connectors - AC/DC: max. 125 V /1.5 A - Frequency 150 kHz - 230 MHz
S9-10kHz	For screened cables, 9 lines - AE/EUT: Sub-D9 connectors - AC/DC: max. 125 V /1.5 A - Frequency 10 kHz - 80 MHz
S15	For screened cables, 15 lines - AE/EUT: Sub-D15 connectors - AC/DC: max. 125 V /1.5 A - Frequency 150 kHz - 230 MHz
S15 VGA	For screened cables, 15 lines - AE/EUT: Sub-D15 connectors - AC/DC: max. 125 V /1.5 A - Frequency 150 kHz - 230 MHz
S25	For screened cables, 25 lines - AE/EUT: Sub-D25 connectors - AC/DC: max. 125 V /1.5 A - Frequency 150 kHz - 230 MHz
S37	For screened cables, 37 lines - AE/EUT: Sub-D37 connectors - AC/DC: max. 125 V /0.25 A - Frequency 150 kHz - 80 MHz
S50	For screened cables, 50 lines - AE/EUT: Sub-D50 connectors - AC/DC: max. 125 V /0.25 A - Frequency 150 kHz - 80 MHz

CDNS FOR UNSHIELDED SYMMETRICAL LINES, TYPE T

T-TYPE CDN MODELS

T2	For 2 unscreened balanced lines - AE: RJ11 & 4mm safety lab conn. - EUT: RJ11 & 4mm safety lab conn. - AC: max. 63 V/1.5 A - DC: max. 100 V /1.5 A - Frequency 150 kHz - 230 MHz
T2-3A	For 2 unscreened balanced lines - AE: 4mm safety lab connectors - EUT 4mm safety lab connectors - AC: max. 63 V /3 A - DC: max. 100 V DC/3 A - Frequency 150 kHz - 80 MHz
T2-5A	For 2 unscreened balanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/5 A - DC: max. 100 V/5 A - Frequency 150 kHz - 80 MHz
T2-10kHz	For 2 unscreened balanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 10 kHz - 80 MHz
T4	For 4 unscreened balanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 230 MHz
T4-3A	For 4 unscreened balanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/3 A - DC: max. 100 V/3 A - Frequency 150 kHz - 80 MHz
T4 XLR	For 4 unscreened balanced lines - AE: XLR-connector - EUT: XLR-connector - AC/DC: max. 50 V/1.5 A - Frequency 150 kHz - 230 MHz
T4 RJ45	For 4 unscreened balanced lines - AE: RJ45-connector - EUT: RJ45-connector - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 230 MHz

TECHNICAL DETAILS

T-TYPE CDN MODELS (CONTINUATION)

T8 RJ45	For 8 unscreened balanced lines - AE: RJ45-connector - EUT: RJ45-connector - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 230 MHz
T8 RJ45-10kHz	For 8 unscreened balanced lines - AE: RJ45-connector - EUT: RJ45-connector - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 10 kHz - 80 MHz
T8-3A	For 8 unscreened balanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/3 A - DC: max. 100 V/3 A - Frequency 150 kHz - 80 MHz

CDNS FOR UNSHIELDED UNSYMMETRICAL LINES, TYPE AF

AF-TYPE CDN MODELS

AF2	For 2 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 300 MHz
AF2-250V	For 2 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC/DC: max. 250 V/1.5 A - Frequency 150 kHz - 300 MHz
AF2-10kHz	For 2 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 10 kHz - 80 MHz
AF3	For 3 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 300 MHz
AF3-3A	For 3 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/3 A - DC: max. 100 V/3 A - Frequency 150 kHz - 300 MHz
AF3-250V	For 3 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC/DC: max. 250 V/3 A - Frequency 150 kHz - 300 MHz
AF3-10kHz	For 3 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 10 kHz - 80 MHz
AF4	For 4 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 230 MHz

TECHNICAL DETAILS

AF-TYPE CDN MODELS (CONTINUATION)	
AF4-10kHz	For 4 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 10 kHz - 80 MHz
AF5	For 5 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 80 MHz
AF6	For 6 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 80 MHz
AF6-10kHz	For 6 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 10 kHz - 80 MHz
AF6-250V	For 6 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC/DC: max. 250 V/1.5 A - Frequency 150 kHz - 80 MHz
AF8	For 8 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 80 MHz
AF8-10kHz	For 8 unscreened unbalanced lines - AE: 4mm safety lab connectors - EUT: 4mm safety lab connectors - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 10 kHz - 80 MHz
AF10	For 10 unscreened unbalanced lines - AE: D-Sub 15 connector - EUT: D-Sub 15 connector - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 80 MHz

AF-TYPE CDN MODELS (CONTINUATION)	
AF15	For 15 unscreened unbalanced lines - AE: D-Sub 15 connector - EUT: D-Sub 15 connector - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 80 MHz
AF25	For 25 unscreened unbalanced lines - AE: D-Sub 25 connector - EUT: D-Sub 25 connector - AC: max. 63 V/1.5 A - DC: max. 100 V/1.5 A - Frequency 150 kHz - 80 MHz

TECHNICAL DETAILS

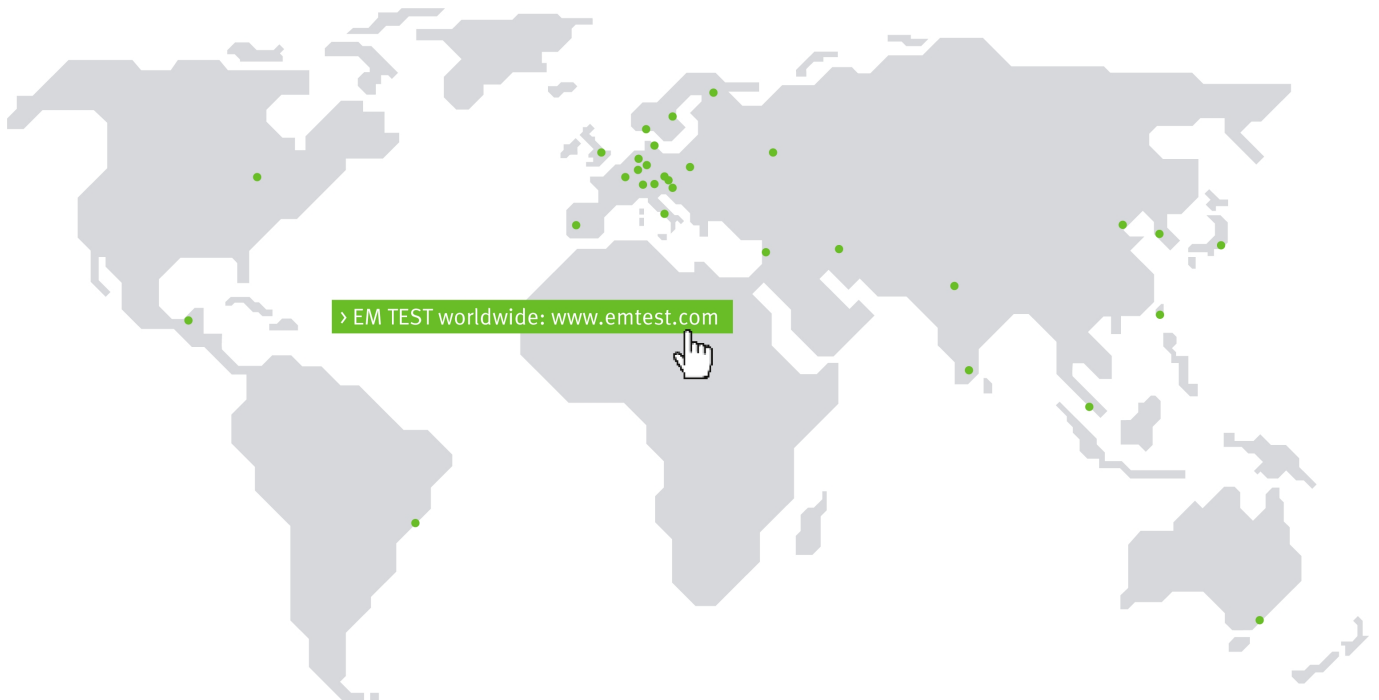
OPTIONS AND ACCESSORIES

OPTION FOR CISPR 15 (FREQUENCY UP TO 300 MHZ)	
Available for	CDN M2 CDN M2 Banana CDN M2/M3 CDN M3 CDN M3 Banana CDN AF2 CDN AF2-250V CDN AF3 CDN AF3-3A CDN AF3-250V

OPTION SPECIAL CDN´S	
CAN-4	For 4 unscreened CAN bus lines - AE: D-Sub 9 connectors - EUT: D-Sub 9 connectors - max. 48 V/2 A - Frequency 150 kHz - 230 MHz
Special CDN´s	Only on request. Please contact your local sales agency.

CALIBRATION/LEVELLING ACCESSORIES	
CA xx	Termination adapters matching the connectors of the corresponding CDN
R-100N	150-to-50ohm matching impedance as per IEC 61000-4-6
T-50	50ohm termination resistor
CWS-Cal	Basic calibration kit with plastic case including 1 ea R-100N, BNC-cable 50cm

COMPETENCE WHEREVER YOU ARE



CONTACT EM TEST DIRECTLY

Switzerland

EM TEST (Switzerland) GmbH > Sternenhofstraße 15 > 4153 Reinach > Switzerland
 Phone +41 (0)61/7179191 > Fax +41 (0)61/7179199
 Internet: www.emtest.ch > E-mail: sales.emtest@ametek.com

Germany

AMETEK CTS Germany GmbH > Lünener Straße 211 > 59174 Kamen > Deutschland
 Phone +49 (0)2307/26070-0 > Fax +49 (0)2307/17050
 Internet: www.emtest.com > E-mail: info.cts@ametek.de

France

EM TEST FRANCE > Le Trident - Parc des Collines > Immeuble B1 - Etage 3 > 36, rue Paul Cézanne > 68200 Mulhouse > France
 Phone +33 (0)389 31 23 50 > Fax +33 (0)389 31 23 55
 Internet: www.emtest.fr > E-mail: info@emtest.fr

Poland

EM TEST Polska > ul. Ogrodowa 31/35, 00-893 Warszawa > Polska
 Phone +48 (0)518 64 35 12
 Internet: www.emtest.com/pl > E-mail: infopolska.emtest@ametek.com

USA / Canada

AMETEK Compliance Test Solutions > 52 Mayfield Ave. > Edison > NJ 08837
 Phone +1 (732) 417-0501
 Internet: www.emtest.com > E-mail: sales.emtest@ametek.com

P.R. China

E & S Test Technology Limited > Rm 913, Leftbank > No. 68 Bei Si Huan Xi Lu > Haidian District > Beijing 100080 > P.R. China
 Phone +86 (0)10 82 67 60 27 > Fax +86 (0)10 82 67 62 38
 Internet: www.emtest.com > E-mail: info@emtest.com.cn

Republic of Korea

EM TEST Korea Limited > #405 > WooYeon Plaza > #986-8 > YoungDeok-dong > Giheung-gu > Yongin-si > Gyeonggi-do > Korea
 Phone +82 (31) 216 8616 > Fax +82 (31) 216 8616
 Internet: www.emtest.co.kr > E-mail: sales@emtest.co.kr

Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.