

EMC PARTNER APPLICATIONS

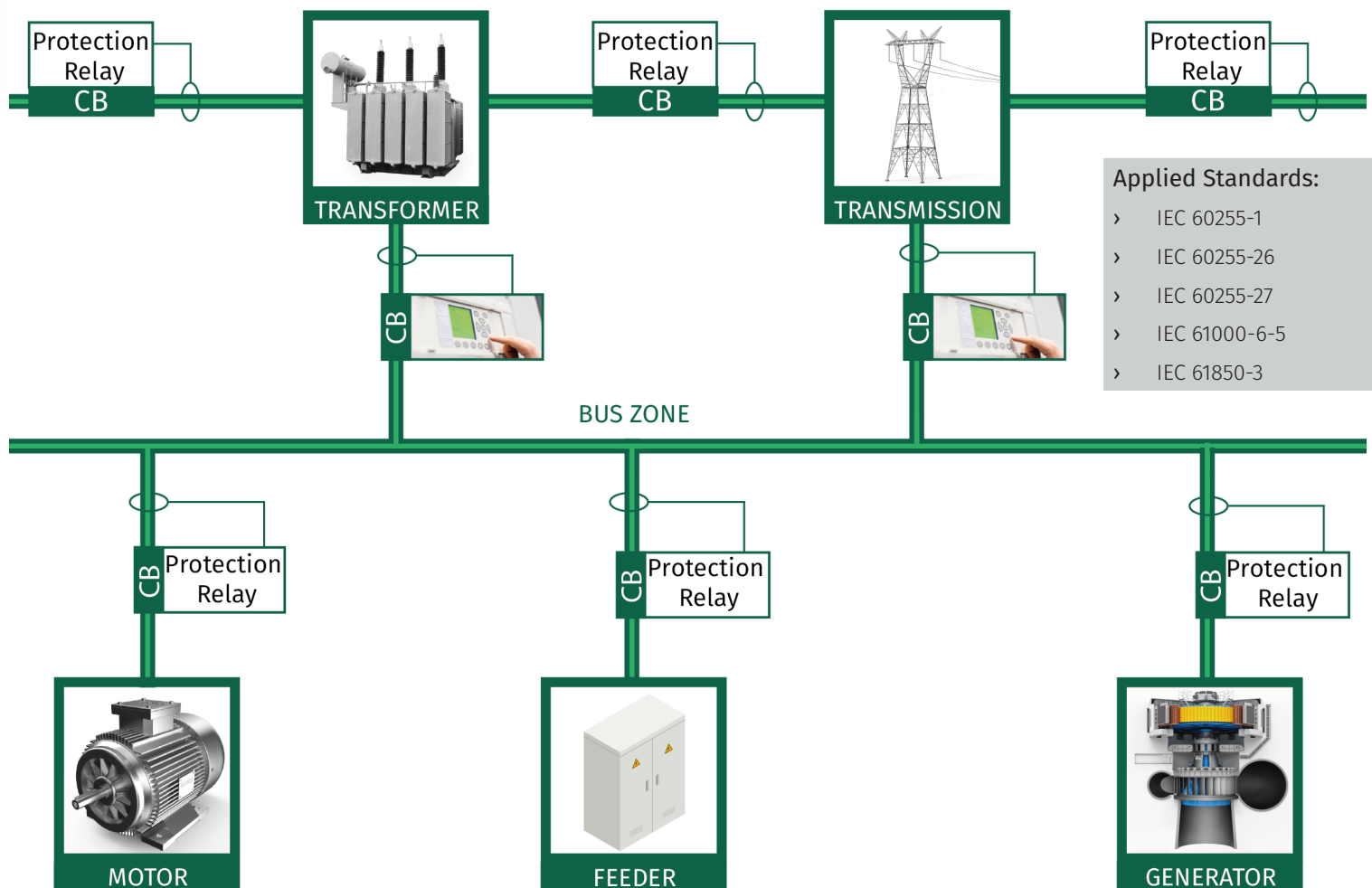
# Protection Relays



# PROTECTION RELAYS



EMC PARTNER offers a complete and extensive test solutions from one hand to perform all conducted immunity impulse tests including EFT/Burst, Surge, DOW, differential mode and insulation tests with respect to equipment used in power stations and substations.



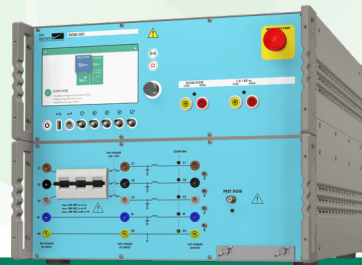
## Test types

- › EFT transients as per IEC 61000-4-4
- › Surge as per IEC 61000-4-5
- › DOW as per IEC 61000-4-18
- › AC Dips and Interruptions as per IEC 61000-4-11
- › DC Dips and Interruptions as per IEC 61000-4-29
- › Common mode test as per IEC 61000-4-16
- › AC Magnet fields test as per IEC 61000-4-8
- › ESD as per IEC 61000-4-2
- › 1.2/50µs, 0.5J insulation test as per IEC 60255-27



**IMU-MGE**

Compact generator for EFT/Burst, CWG and Telecom Surge up to 8kV. Integrated 16 A CDN. Extendable with ESD, Dips/Interrupts and Common Mode.



**DOW-CG1**

Compact generator for Damped Oscillatory Wave testing. Integrated three phase CDN for Slow and Fast waves. Integrated three phase 30 A CDN and 1.2/50µs impulse tester.



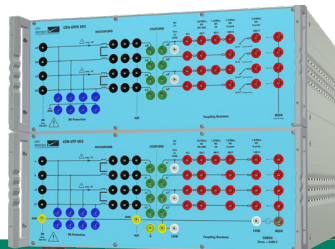
**INS-0805**

1.2/50µs impulse generator with 500 Ohm impedance and fixed impulse energy 0.5 Joules in ranges from 500 V to 8 kV.



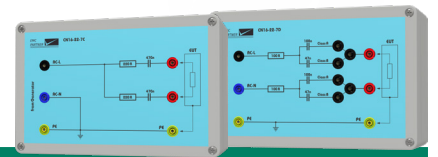
**VAR-EXT1000**

VAR-EXT1000 extends IMU series generators up to 16A single phase. Dips and variations testing can be performed at any level from 0 to 100% according to IEC 61000-4-11.



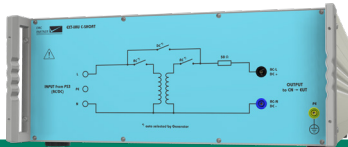
**CDN-UTP8 ED3**

CDN-UTP8 ED3 is a compact manually operated coupling devices enabling testing for many standards. Combination Wave (CWG) for IEC 61000-4-5, Ringwave for IEC 61000-4-12 and telecom 10/700 according to ITU-T K44.



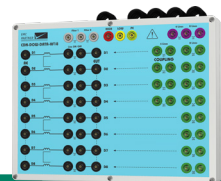
**CN16-22-7C/7D**

For 2 power line common mode / differential mode testing according to IEC 61000-4-16 for short time test from DC to 60Hz (300V).



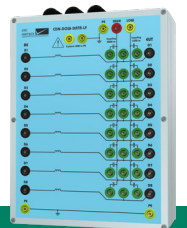
**EXT-IMU C-SHORT**

Extension to IMU and TRA generators allowing common mode testing up to 300V with power frequencies DC to 60Hz.



**CDN-DOW-DATA-HF18**

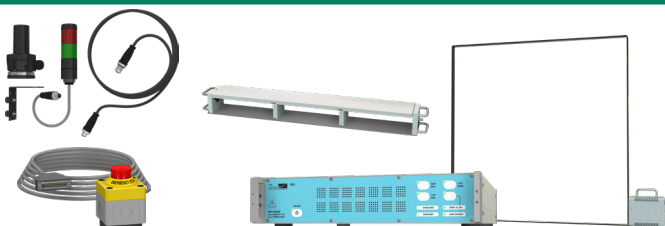
Coupling and Decoupling Network for IEC 61000-4-18. Test with 100 kHz and 1 MHz DOW onto 4 twisted pair (8 lines) with data rates up to 1 GB/s.



**CDN-DOW-DATA-LF**

Coupler for 8 signal and data lines used with Damped Oscillatory Wave (DOW) generators according to IEC 61000-4-18 at 100kHz and 1MHz.

## MORE OPTIONS & COMFORT



- › Coil for magnetic field up to 500A/m
- › EFT coupling clamp for signal lines
- › Programmable power source
- › Safety accessories
- › And much more...

## TEMA3000 - SOFTWARE TEST SUITE



Create and manage tests and sequences. Integrate DSO measurements in professional reports. Import and export Test Setups and Sequences. Smart test functions and predefined Test Library.



APPLICATION  
INFORMATION

For further information please do not hesitate to contact your local EMC PARTNER AG representative.  
Visit our website for more information and contact details.

# [www.emc-partner.com](http://www.emc-partner.com)



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