



COMPLETE TEST SOLUTIONS FOR

Conducted Immunity Testing



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 Smart navigation through technical specifications. Click the green links.



Accredited Calibration

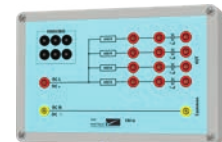
Quality at EMC PARTNER is based on an ISO 9001 management system. This is the foundation for an ISO 17025 accreditation verified by the Swiss Calibration Service (SCS). SCS No. 146 is the accreditation number of EMC PARTNER AG. Locally accredited but recognized worldwide through affiliation with the ILAC organisation

COMMON MODE COUPLING NETWORKS AND DECOUPLING NETWORKS

Test type	CN 16	CN16 DC	DN16-1P6 EUT	DN16-1P16 EUT
AC test on AC lines	415 V	-	230 V / 6 A	230 V / 16 A
AC test on DC lines	415 V	-	-	-
DC test on AC lines	115 V(115 V test level)	250 V / 16 A	230 V / 6 A	230 V / 16 A
DC test on DC lines	115 V(115 V test level)	250 V / 16 A	-	-
Sweep test on AC lines	415 V	-	230 V / 6 A	230 V / 16 A
Sweep test on DC lines	415 V	-	-	-

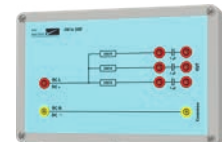
CN16

Standard	IEC 61000-4-16 latest edition
Type	manual, for 1, 2 or 4 power lines
EUT voltage AC (see table)	max. 3 x 415 V L-L (240 V L-N), 50 / 60 Hz
EUT current AC	limited only by decoupling
EUT power DC (see table)	max. 300 V (AC/RF disturbance) no current limit
Coupling paths	1 x 100 Ω, 2 x 200 Ω, 4 x 400 Ω, 1 μF per line
Test level power tests	330 V @ 16.67 Hz, 50 Hz, 60 Hz, 115 V @ DC
Test level sweep test	35 V
Dimensions	28 x 18 x 11 cm
Weight	3 kg
Optional	PS3, EXT-IMU C-SHORT DN16-1P6 or DN16-1P16 decoupling transformer
Generators	IMU-MGS, IMU-MGE



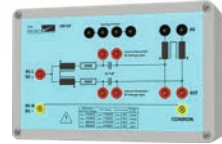
CN16-300

Standard	IEC 61000-4-16 latest edition
Type	manual, for 3 power lines
EUT voltage AC	max. 3 x 480 V L-L (280 V L-N), 50 / 60 Hz
EUT current AC	limited only by decoupling
EUT power DC	max. 115 V (AC/RF disturbance) no current limit
Coupling paths	3 x 300 Ω, 1 μF per line
Test level power tests	330 V @ 16.67 Hz, 50 Hz, 60 Hz, 115 V @ DC
Test level sweep test	35 V
Dimensions	28 x 18 x 11 cm
Weight	3 kg
Optional	PS3, EXT-IMU C-SHORT DN16-1P6 or DN16-1P16 decoupling transformer
Generators	IMU-MGS, IMU-MGE



CN16DC

Standard	IEC 61000-4-16 latest edition
Type	manual, for 2 power lines
EUT power AC (see table)	250 V, 50 / 60 Hz, 16 A
EUT power DC (see table)	250 V, 16 A
Coupling paths	2 x 200 Ω
Test level power tests	330 V DC on AC and DC lines
Dimensions	28 x 19 x 11 cm
Weight	3 kg
Requires	PS3, EXT-IMU C-SHORT
Optional	DN16-1P6 or DN16-1P16 decoupling transformer
Generators	IMU-MGS, IMU-MGE

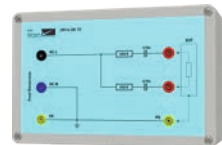


CN16T

See section “Other CDNs for I/O Lines”

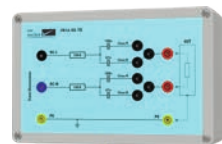
CN16-22-7C

Standard	IEC60255-26 latest edition
Type	manual, for 2 power lines, common mode test
EUT power AC	415 V, 50 / 60 Hz, 16 A
EUT power DC	300 V, 16 A
Coupling path	2 x 220 $\Omega \pm 5\%$, 0.47 $\mu\text{F} \pm 5\%$ per line
Test level	max. 300 V
Dimensions	28 x 18 x 11 cm
Weight	3.3 kg
Requires	PS3, EXT-IMU C-SHORT
Generators	IMU-MGS, IMU-MGE



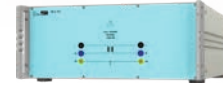
CN16-22-7D

Standard	IEC60255-26 latest edition
Type	manual, for 2 power lines, diff. mode test
EUT power AC	415 V, 50 / 60 Hz, 16 A
EUT power DC	300 V, 16 A
Coupling path 1 (class A)	2 x 100 $\Omega \pm 5\%$, 0.1 $\mu\text{F} \pm 5\%$ per line
Coupling path 2 (class B)	2 x 100 $\Omega \pm 5\%$, 0.047 $\mu\text{F} \pm 5\%$ per line
Test level	max. 300 V
Dimensions	28 x 18 x 11 cm
Weight	3.5 kg
Requires	PS3, EXT-IMU C-SHORT
Generators	IMU-MGS, IMU-MGE



DN16-1P6

Standard	IEC 61000-4-16c
Type	1P decoupling transformer for power lines
EUT power AC (see table)	230 V, 50 / 60 Hz, 6 A
EUT power DC	not suitable for DC applications
Test level	max. 330 V
Insulation	≥1 kV
CM decoupling	> 60 dB in the range 15 Hz – 150 kHz
Dimensions	19 " unit, 4 UH
Weight	30 kg
Requires	CN16 or CN16DC
Generators	IMU-MGS , IMU-MGE



DN16-1P16

Standard	IEC 61000-4-1 latest edition
Type	1P decoupling transformer for power lines
EUT power AC (see table)	230 V, 50 / 60 Hz, 16 A
EUT power DC	not suitable for DC applications
Test level	max. 330 V
Insulation	≥1 kV
CM decoupling	> 60 dB in the range 15 Hz – 150 kHz
Dimensions	19 " unit, 4 UH
Weight	50 kg
Requires	CN16 or CN16DC
Generators	IMU-MGS , IMU-MGE

