

COMPACT NX5

FIRST OF ITS KIND. SHOWS ITS TRUE COLORS. THINKS FOR ITSELF.



AREYOU READY FOR A NEW GENERATION? COMPACT NX5.



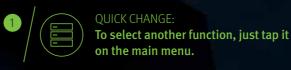
/ MORE CONVENIENCE.
/ MORE SAFETY.
/ MORE TIME SAVINGS.



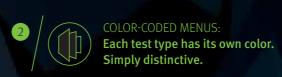


INTELLIGENT TESTING MADE EASY: 1 FINGER FOR 1,000 TESTS.







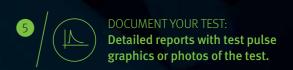


















MORE INTERFACES. MORE INDIVIDUALITY. MORE OPTIONS!











CUSTOMIZED TESTING:

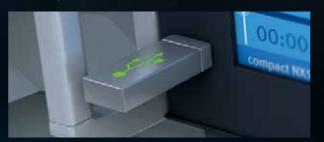
Generate and save your own test files
easily and reliably.





EASY IMPORT AND EXPORT:

Documents and photos of the test setup imported or exported in a few simple steps.





SAFE TESTING:
Secure Ethernet/OptoLink
connection.



FOR ALL LOVERS OF DETAILS: TECHNICAL DATA - COMPACT NX5.



HIGHLIGHTS

More convenience

- > Intelligent touch-screen operation
- > Modern connection architecture
- > Quiet operation
- > Push-turn dial
- > Multilingual choose your preferred language

More safety

- > Modern operating system ensures long-term viability
- > Comprehensive, integrated standards library
- > Visualization of test pulses and setups
- > EUT power monitoring (current/voltage/ power and frequency monitoring) in real time
- > Differential synchronization up to 690 V

More time savings

- > EUT setup: Your EUT determines the sequence and parameters > em.log: Test data log allows selective checks and re-testing
- > TEST-LINK: Create and automate your own test sequences
- > Easy import and export of test specifications

COMPACT NX MODULES

The new compact NX5 is the most versatile tester for meeting transient and power-fail requirements according to international (basic and generic) and product/product family standards.

The compact NX5 is the most economical solution for fully compliant immunity tests and CE marking. A built-in CDN is used for testing single-phase EUTs, while tests on three-phase EUTs can be performed by adding a fully controlled external coupling network up to 200 A. EM TEST supplies a wide range of accessories for nearly all test procedures and applications.

STANDARDS AND APPLICATIONS

> IEC 60255-1	> IEC/EN 61000-4-5	> EN 61000-6-1
> IEC 60601-1-2	> IEC/EN 61000-4-8	> EN 61000-6-2
> IEC 61326	> IEC/EN 61000-4-9	>EN 55014-2
> IEC 61850-3	> IEC/EN 61000-4-11	>EN 61547
VIEC/EN (1000 / /	VIEC/EN (1000 / 20	

















COMPACT NX MODULES

BURST EFT/NX5 A	
Test voltage	200 V-5,500 V ± 10%;
	100 V-2,750 V ± 10%
	at 50 Ω load
Pulse shape	$5/50$ ns at 50 Ω and $1,000$ Ω
Pulse triggering	Automatic, manual, external
Polarity	Positive/negative/alternating
Synchronization	0°-360°, resolution 1°, (16-500 Hz)
Output Direct	Via 50 Ω coaxial

SURGE vcs/nx5 Acc. to IEC/EN 61000-4-5 and IEC/EN 61000-6-1, -6-2		
Voltage (o.c.)	160 V-5,000 V ± 10%	
Current (s.c.)	Max. 2,500 A ± 10%	
Rise time	1.2 µs ± 30%	
Decay time to half value	50 μs ± 20%	
Rise time	8 μs ± 20%	
Decay time to half value	20 μs ± 20%	
Pulse triggering	Automatic, manual, external	
Polarity	Positive/negative/alternating	
Synchronization	0°-360°, resolution 1°, asynchronous	
Repetition rate	Max. 1 Hz (1 s-9,999 s)	
Output Direct	Via HV connectors to external coupling network	

POWER-FAIL Acc. to IEC/EN 61000-4-11, -4-29 and IEC/EN 61000-6-1/-2		
Channel PF1/PF2	Voltage: max. 300 V AC / DC Current: max. 16 A AC / DC	
Frequency	16 Hz-500 Hz and DC	
Switching time	$<$ 5 μs at 100 Ω resistive load	
Inrush current	> 500 A	
Trigger	Automatic, manual, external	
Synchronization	0°-360°, resolution 1°	
	(16–500 Hz), asynchronous	
Output EUT terminals Trigger	L, N and PE 5 V trigger signal for oscilloscope	

GENERAL DATA	
Serial interface	2 x USB A/1 x USB B OptoLink
Network	Ethernet
Sys.Link	26-pin high density connector to control external devices
Fail inputs	EUT monitoring via inputs (one each) EUT monitor 1 EUT monitor 2
Ext. sync input	Differential input 50 V-690 V AC, 2 x 4 mm MC safety Connector
Dimensions	19", 3 HU
Weight	21.8 kg



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