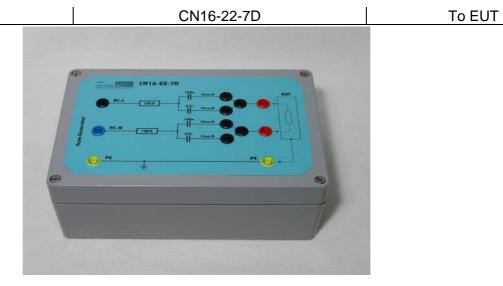


CN16-22-7D for use with TRA3000 C, EXT-TRA3000 C-SHORT and PS3 Power Supply PN: 105841

Revised: 14.May 2012

1 General Information

To generator



1.1 Technical data

Serial impedance	100 Ohm	± 5%
Serial capacitance	0.047uF	± 5%
Serial capacitance	0.1uF	± 5%
Maximum Test Voltage	150V	± 10%
Standard	IEC60255-22-7	

For further information see "Verification Protocol".

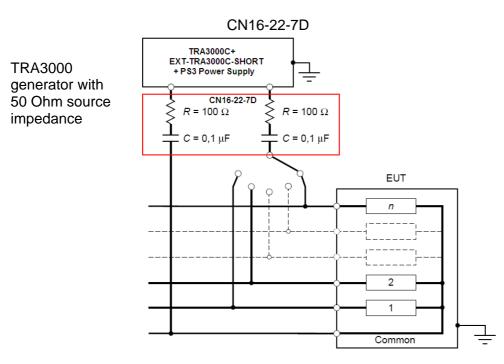
2 Application of the CN16-22-7D:

- The coupler is used together with the TRA3000C or EXT-TRA3000C-SHORT and PS3 Power supply to perform Common mode tests according to IEC60255-22-7 for Measuring relays and Protection equipment in power sub stations.
- A voltage source (PS3) used to generate the 300V output shall be connected to the CN16-22-7C black and blue terminals..
- For each of the voltages of Class A and Class B the level is set on TRA3000 and generated by EXT-TRA3000C-SHORT.

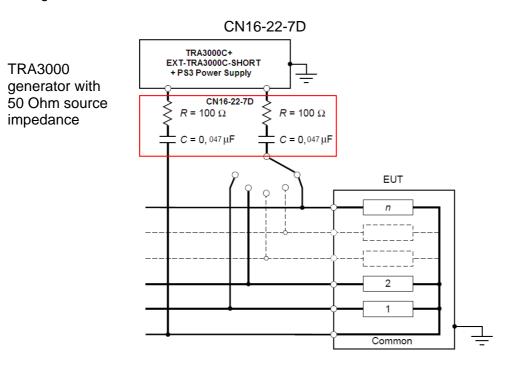
	Differential mode tests		Common mode tests			
	Open circuit	Coupling network		Open circuit	Coupling network	
Test level	test voltage ± 10 % R ± 5 %		C±5%	test voltage ± 10 %	R ± 5 %	C ± 5 %
	V r.m.s.	Ω	μF	∨r.m.s.	Ω	μF
Class A	150	100	0,1	300	220	0,47
Class B	100	100	0,047	300	220	0,47

2.1 Application of the CN16-22-7D:

Setup diagram for Differential mode tests according to Figure 2 of IEC60255-22-7. Test voltage is 150V.



Setup diagram for Differential mode tests according to Figure 3 of IEC60255-22-7. Test voltage is 100V.



Connections between the CN16-22-7D and the EUT should be less than 2m.

3 Standard accessory, dimensions

3.1 Included articles, dimensions

CN16-22-7D (Article No. 105841)

Mechanical Dimensions

Unit Height:	В
Length:	28 cm
Width:	18 cm
Height:	11 cm
Net Weight:	3 kg

Included Articles

According to STL-Variante 20, STL-Version 1

Qty	PN	Description
1	104801	Brochure TRANSIENT 3000
1	104802	Standard calibration cerificate
1	103191	Standard accessories pack
1	103194	CD-UM-IN-ALL includes all User Manuals and Instruction sheets of all EMC PARTNER AG sales products.

3.2 Standard Accessories

Accessories to CN16-22-7D (Article No. 105841)

Qty 1	PN 100261	Description N MC protected banana plug, yellow/green	Veight (kg) 0	Length (cm) 0	Width (cm) 0	Height (cm) 0
1	100280	MC protected banana plug, yellow	0	0	0	0
2	100283	MC protected banana plug, red	0	0	0	0
2	100284	MC bridge black	0	3.8	2.8	0.8
1	103026	Plastic pack small	0.01	25	15	0
1	103063	MC safety cable with protected banana plug, blue	0	25	0	0
1	103067	MC safety cable with protected banana plug, black	0	25	0	0
1	103089	MC safety cable with protected banana plug, yellow	/green 0	50	0	0

4 Recycling / Disposal

4.1 RoHS directive 2002/95/EG

The CN16-22-7D complies with the directive 2002/95/EG (RoHS - Restriction of certain Hazardous Substances).

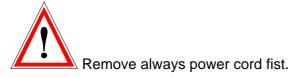
From December 2005, all EMC Partner products either hand soldered or by machine are produced using lead-free solder.

4.2 WEEE directive 2002/96/EG

The EMC Partner CN16-22-7D, is exempted from the directive 2002/96/EG (WEEE) under category 9.

The product should be recycled through a professional organisation with appropriate experience for the disposal and recycling of electronic products. EMC Partner are also available to help with questions relating to the recycling of this product.

4.3 Information for dismantling



There is no special danger involved in dismantling the CN16-22-7D.

4.4 Parts which can be recycled

The CN16-22-7D contains parts made from steel, aluminium, PVC, two-component sealing compound. The impulse capacitors are filled with non-poisonous mineral oil. The various parts can be separated and recycled.

4.5 Parts which can not be recycled

All parts in the CN16-22-7D can be recycled.

5 Service Information

EMC PARTNER AG Baselstrasse 160 CH - 4242 Laufen Switzerland

T ++41 61 775 20 50

- ++41 61 775 20 59
- service@emc-partner.ch
- www.emc-partner.com



Multi-Contact AG Basel Stockbrunnenrain 8 Postfach CH-4123 Allschwil 1 Tel.: 061/302 45 45 Fax: 061/302 45 68

Montageanleitung

Sicherheitsverbindungsleitungen SLK425-K, SLK425-K Sil, SLK410-K Sil

Bei der Benutzung von anderen als von MC^{*} angegebenen Einzelteilen und Werkzeugen, kann bei der Selbstkonfektionierung weder die Sicherheit, noch die Einhaltung der technischen Daten gewährleistet werden. Silikonleitungen sollten nach Möglichkeit konfektioniert bei MC^{*} bezogen werden.

Multi-Contact Deutschland GmbH Hegenheimer Strasse 19 Postfach 1606 D-79551 Weil am Rhein Tel.: 07621/667-0 Fax: 07621/667-100

Assembly Instructions

SLK425-K, SLK425-K Sil, SLK410-K Sil

The use of parts and tools other than those stated by MC[®] can have an effect

on the safety and quality of the do-ityourself leads and therefore the technical data cannot be guaranteed. When possible, leads made with silicon

cable should be ordered ready-made

from MC^{*}.

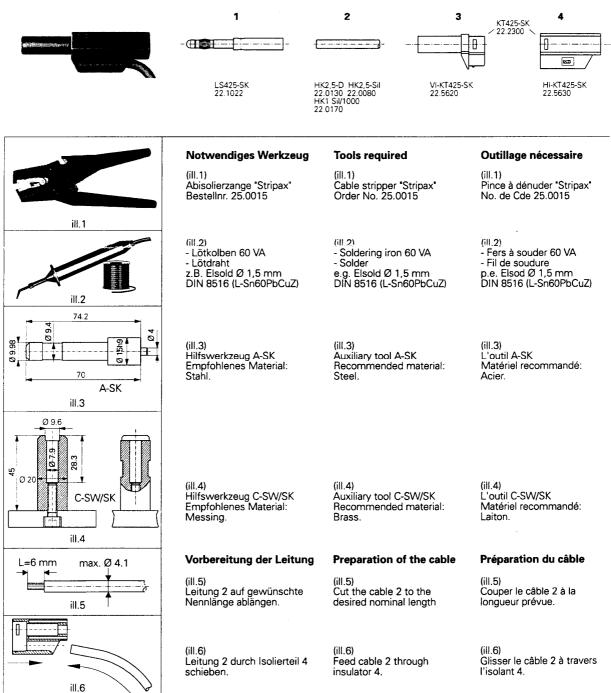
Safety Connecting Leads

Multi-Contact France S.A. 4, rue de l'industrie Zone industrielle F-68220 Hésingue Tel.: 89 67 65 70 Fax: 89 69 27 96

Instructions de montage

Cordons de sécurité SLK425-K, SLK425-K Sil, SLK410-K Sil

Ni la sécurité, ni les données techniques ne sont garanties, si lors de la conception personelle, des pièces et outillages autre que MC⁹ sont utilisés. Les cordons en silicone devront dans la mesure du possible être acheté, confectionné par MC⁹.



Multi-Contact



