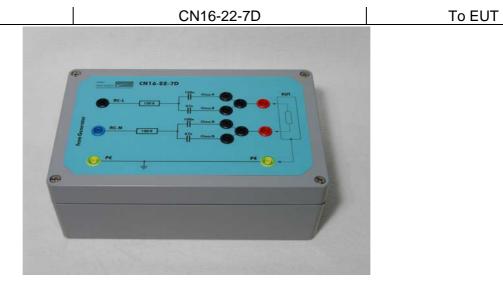


## CN16-22-7D for use with TRA3000 C, EXT-TRA3000 C-SHORT and PS3 Power Supply PN: 105841

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".

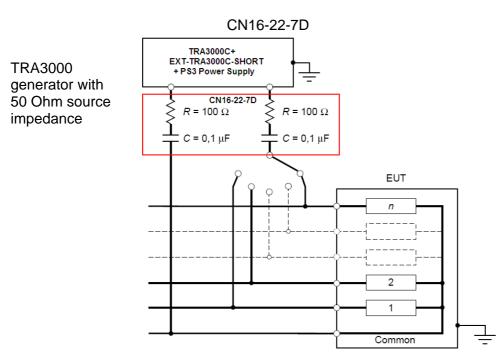
## 2 Application of the CN16-22-7D:

- 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.

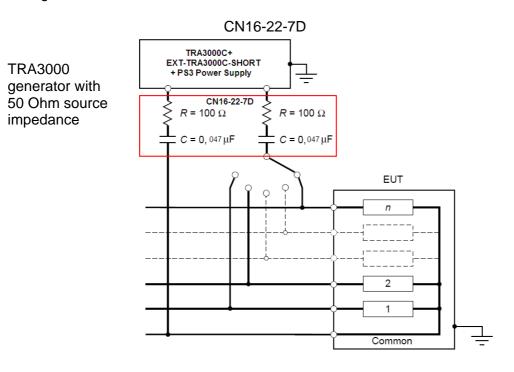
	Differential mode tests		Common mode tests			
	Open circuit	Coupling network		Open circuit	Coupling network	
Test level	test voltage ± 10 % R ± 5 %		C±5%	test voltage ± 10 %	R ± 5 %	C ± 5 %
	V r.m.s.	Ω	μF	∨r.m.s.	Ω	μF
Class A	150	100	0,1	300	220	0,47
Class B	100	100	0,047	300	220	0,47

## 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	<b>PN</b> 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).

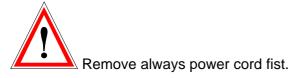
From December 2005, all EMC Partner products either hand soldered or by machine are produced using lead-free solder.

### 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<sup>\*</sup> 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<sup>\*</sup> 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<sup>®</sup> 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<sup>\*</sup>.

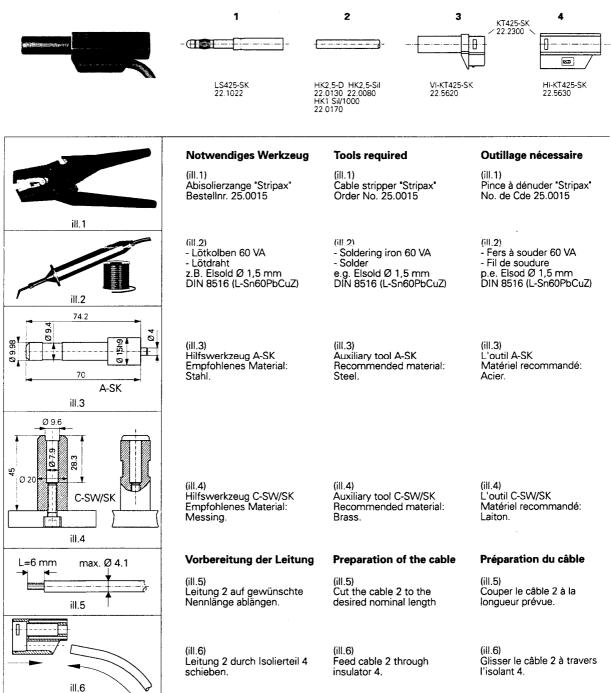
Safety Connecting Leads

#### 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 MC<sup>9</sup> sont utilisés. Les cordons en silicone devront dans la mesure du possible être acheté, confectionné par MC<sup>9</sup>.



Multi-Contact



