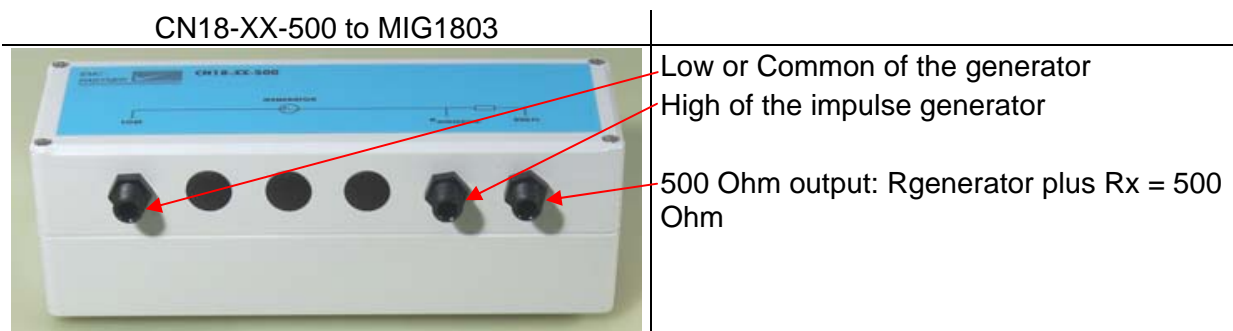


## CN18-XX-500 resistor cover box to generators MIG1803,

Revised: 09.August 2011

### 1 General Information

CN18-XX-500 extends the application of MIG1803 for insulation withstand test, with a generator source impedance of 500 Ohm. The box is equipped with AMP high voltage outputs: Low, Rgenerator, and 500 Ohm.



#### 1.1 Technical data

CN18-XX-500	
Maximum voltage 1.2/50 $\mu$ s	18 kV
Maximum voltage d.c. of AMP connectors	20kV
Maximum Impulse voltage 1.2/50 of the AMP connector	24kV
Maximum current 8/20 $\mu$ s of AMP connector	500 A

#### 1.2 Useable with Generators

The CN18-XX-500 can be used with MIG1203.

### 1.3 Removing and Mounting CN18-XX-500 on MIG generators

The CN18-XX-500 is delivered already mounted on the generator high voltage outputs.



#### **Attention!**

Always ensure the generator is turned OFF and the mains cable removed.

Removing the cover box exposes the operator to high voltage impulses.

To access the high voltage outputs:

1. Remove four screws from the cover box top plate.
2. Lift away the top plate to expose the high voltage terminals
3. Use a spanner to loosen and remove the domed nuts on the high voltage terminals



High Voltage terminals

Mounting is the reverse procedure of removal.



Top plate screws

### 1.4 Accessories to CN18-XX-500

CN-MIG18 AMP



Must be ordered separately.

**PN 103655**

## 2 Standard accessory:

### 2.1 Included articles, mechanical dimensions

CN18-XX-500 (Article No. 105341)

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#### Mechanical Dimensions

Unit Height: Box  
Length: 24 cm  
Width: 10 cm  
Height: 8.5 cm  
Net Weight: 1.5 kg

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#### Included Articles

According to STL-Variante 20, STL-Version 1

Qty	PN	Description
1	104838	Brochures Insulation Test System
1	104802	Standard calibration certificate
1	103194	CD-UM-IN-ALL includes all User Manuals and Instruction sheets of all EMC PARTNER AG sales products.
1	103191	Standard accessories pack

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### 2.2 Standard accessories

Accessories to CN18-XX-500 (Article No. 105341)

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Qty	PN	Description	Weight (kg)	Length (cm)	Width (cm)	Height (cm)
2	100199	AMP Connector	0.005	6.5	0	0
1	103015	Plastic pack for standard accessories 90x75mm	0	9	7.5	0
1	103026	Plastic pack small	0.01	25	15	0
2	105389	LGH AMP Connector contact pin	0	2	0	0

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## **3 Recycling / Disposal**

### **3.1 RoHS directive 2002/95/EG**

The CN18-XX-500 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.

### **3.2 WEEE directive 2002/96/EG**

The EMC Partner CN18-XX-500, 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.

### **3.3 Information for dismantling**



Remove always power cord fist.

There is no special danger involved in dismantling the CN18-XX-500.

### **3.4 Parts which can be recycled**

The CN18-XX-500 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.

### **3.5 Parts which can not be recycled**

All parts in the CN18-XX-500 can be recycled.

# 4 AMP Connector Assembly Instruction

ASSEMBLY INSTRUCTIONS FOR COMMERCIAL LGH

THIS BAG CONTAINS PART NO:

<input type="checkbox"/> 861610-1	<input type="checkbox"/> 862204-1	<input type="checkbox"/> 861610-5
<input type="checkbox"/> 861610-2	<input type="checkbox"/> 862204-2	<input type="checkbox"/> 861610-6
<input type="checkbox"/> 861610-3	<input type="checkbox"/> 862204-3	<input type="checkbox"/> 862204-5
<input type="checkbox"/> 861610-4	<input type="checkbox"/> 862204-4	<input type="checkbox"/> 862204-6

INSTRUCTIONS FOR 861610-1, -3, & -5; 862204-1, -3, & -5

- STRIP WIRE:
- CRIMP SOCKET TO WIRE USING CRIMP TOOL 90067-2.
- INSERT LEAD INTO PLUG UNTIL SOCKET LATCHES. SOCKET SHOULD BE RECESSED .06/.03 IN. FROM END OF PLUG.

INSTRUCTIONS FOR 861610-2, -4, & -6; 862204-2, -4, & -6

- STRIP WIRE:
- CRIMP SOCKET TO WIRE USING CRIMP TOOL 90067-2.
- TIN LEAD BETWEEN SOCKET AND INSULATION TO PROVIDE MECHANICAL STRENGTH REQUIRED FOR LEAD INSERTION.
- INSERT LEAD INTO PLUG UNTIL SOCKET LATCHES. SOCKET SHOULD BE RECESSED .06/.03 IN. FROM END OF PLUG.

CAUTION: IF A SOFT INSULATION (SILICONE) IS USED, ADHESIVE SHOULD BE USED TO BOND INSULATION TO PLUG BODY TO PREVENT THE INSULATION FROM BEING PULLED BACK, REDUCING THE CONNECTOR TRACKING LENGTH.

NO FURTHER DELIVERY IS MADE BY YOU TO OTHER THAN AMP PREVIOUSLY ADVISED, WITHOUT WRITTEN AUTHORIZATION FROM AMP INCORPORATED, HARRISBURG, PA.

	DR <i>7/2/75</i> 8/25/75	<b>AMP</b>	AMP INCORPORATED ELIZABETHTOWN, PA.
	CHK	LOC <b>L</b>	NO <b>A</b>
	APP	862749-1	
	SHEET 1 OF 1		NAME INSTRUCTION SHEET
LTA	REVISION RECORD	DR	CHK DATE

## 5 Service Instruction

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