CN12-500 resistor cover box to generators MIG1206

Revised: 09.August 2011

1 General Information

CN12-500 extends the application of MIG1206 for insulation withstand test, with a generator source impedance of 500 Ohm. The box is equipped with AMP high voltage outputs: Common and 500 Ohm.

CN12-500 to MIG1206

1.1 Technical data

CN12-500	
Maximum voltage 1.2/50 µs	12 kV
Maximum current of AMP connector	500 A
MIG1206 output	Not possible via AMP connector. The connection must be made directly to the electrode of the generator

1.2 Useable with Generators

The CN12-500 can be used with MIG1206.

1.3 Removing and Mounting CN12-500 on MIG generators

The CN12-500 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 without blue label.
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

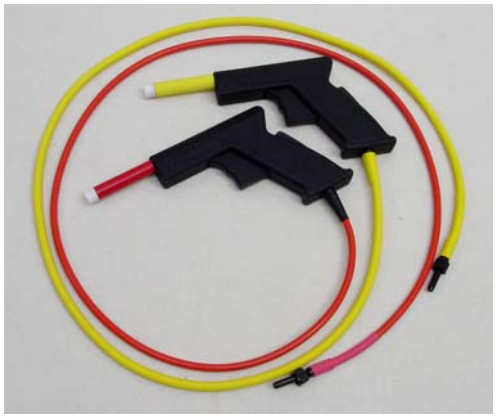
High Voltage terminals

Top plate screws

Mounting is the reverse procedure of removal.

1.4 Accessories to CN12-500

CN-MIG18 AMP



Must be ordered separately.

High current clamp

Must be ordered separately. Cable must be connected directly to the generator output.
Never touch the high current clamp during test. A safety barrier can be installed.

2 Standard accessory:

2.1 Included articles, mechanical dimensions

CN12-500 (Article No. 103648)

Mechanical Dimensions

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

Included Articles

According to STL-Variante 20, STL-Version 1

Qty	*PN*	*Description*
1	103191	Standard accessories pack
1	104986	Brochure -System Automation Hardware and power supplies
1	103194	CD-UM-IN-ALL includes all User Manuals and Instruction sheets of all EMC PARTNER AG sales products.
1	104802	Standard calibration cerificate

2.2 Standard accessories

Accessories to CN12-500 (Article No. 103648)

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

3 Recycling / Disposal

3.1 RoHS directive 2002/95/EG

The CN12-500 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 CN12-500, 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 CN12-500.

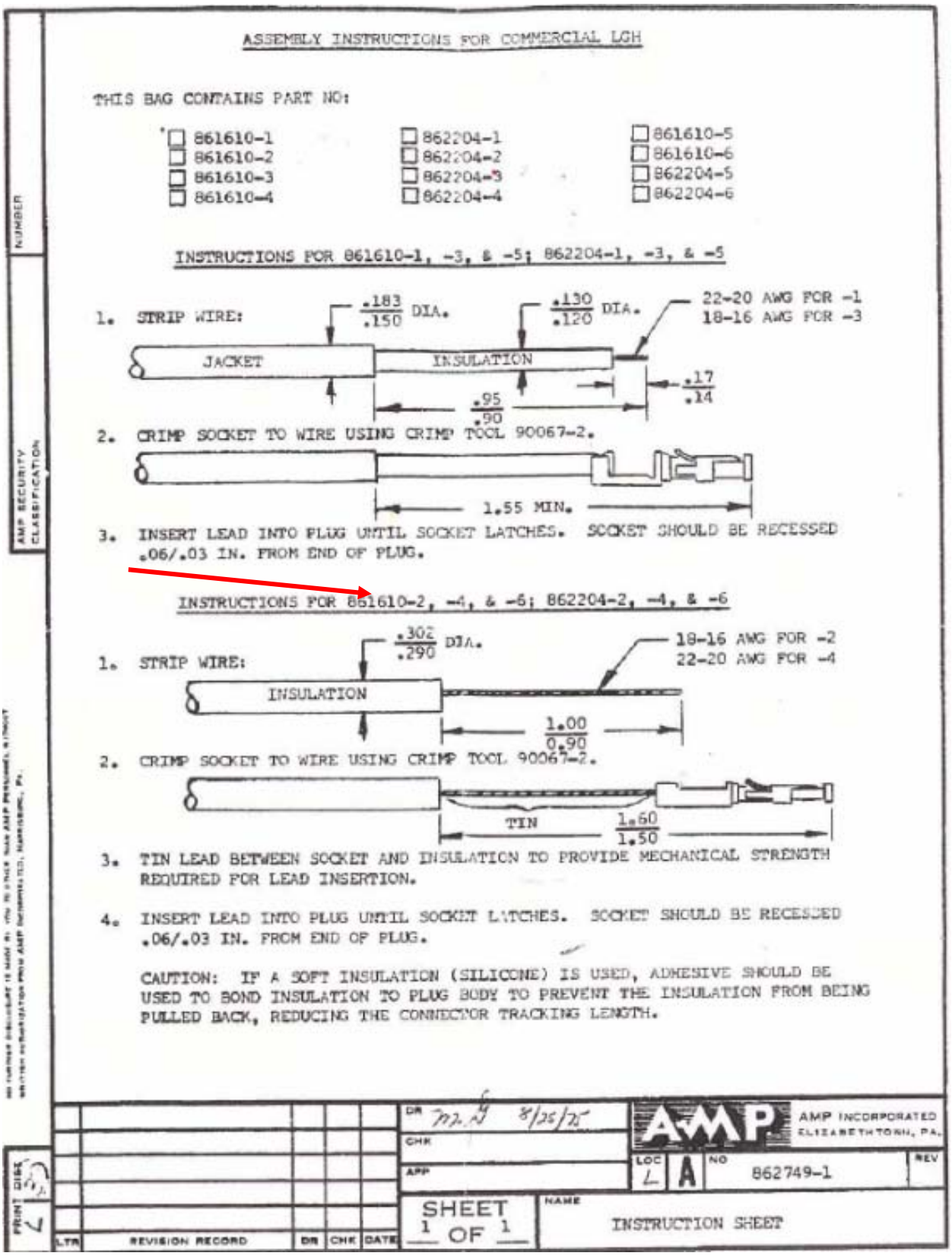
3.4 Parts which can be recycled

The CN12-500 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 CN12-500 can be recycled.

4 AMP Connector Assembly Instruction



ASSEMBLY INSTRUCTIONS FOR COMMERCIAL LGH

THIS BAG CONTAINS PART NO:

☐ 861610-1	☐ 862204-1	☐ 861610-5
☐ 861610-2	☐ 862204-2	☐ 861610-6
☐ 861610-3	☐ 862204-3	☐ 862204-5
☐ 861610-4	☐ 862204-4	☐ 862204-6

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

1. STRIP WIRE: .183/.150 DIA. .130/.120 DIA. 22-20 AWG FOR -1, 18-16 AWG FOR -3

2. CRIMP SOCKET TO WIRE USING CRIMP TOOL 90067-2.

3. 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

1. STRIP WIRE: .302/.290 DIA. 18-16 AWG FOR -2, 22-20 AWG FOR -4

2. CRIMP SOCKET TO WIRE USING CRIMP TOOL 90067-2.

3. TIN LEAD BETWEEN SOCKET AND INSULATION TO PROVIDE MECHANICAL STRENGTH REQUIRED FOR LEAD INSERTION.

4. 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.

DR 8/25/75 | CHK | APP | AMP INCORPORATED ELIZABETHTOWN, PA. | LOC L | A | NO 862749-1 | REV | SHEET 1 OF 1 | NAME INSTRUCTION SHEET

LTR | REVISION RECORD | DR | CHK | DATE

5 Service Instruction

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