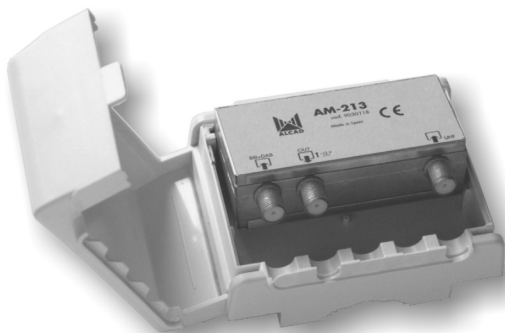




AMPLIFICADOR PARA MÁSTIL Y ALIMENTADOR  
AMPLIFIER FOR MAST AND POWER SUPPLY  
AMPLIFICATEUR POUR MÂT ET ALIMENTATION



**SERIE 903 SERIES**

# AMPLIFICADOR PARA MÁSTIL - AMPLIFIER FOR MAST - AMPLIFICATEUR POUR MÂT

CÓDIGO-CODE-CODE		9030118	
MODELO-MODEL-MODELE		AM-213	
Entradas Inputs Entrées		2	
Rango de frecuencia Frequency range Gamme de fréquences	Band	BIII / DAB	UHF
	MHz	175 - 260	470 - 862
Pérdidas de inserción Insertion loss Atténuation d'insertion	dB ±TOL	0,5 ±0,25	-
Ganancia Gain Gain	dB ±TOL	-	15 ±1,0
Nivel de salida Output level Niveau de sortie	dB $\mu$ V	108	DIN 45004B
		105	(IMD <sub>3</sub> -66 dB)
Figura de ruido Noise figure Facteur de bruit	dB	2,5 ±0,5	
Alimentación Power supply Alimentation	V $\dots$	12	
	mA	27	
Temperatura de funcionamiento Operating temperature Température de fonctionnement	°C	-10..+65	
Índice de protección Protection index Indice de protection		IP 53	

DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB  
 IMD<sub>3</sub> -66 dB: 3 unequal carriers, EN 50083-5

## ALIMENTADOR - POWER SUPPLY - ALIMENTATION

CÓDIGO-CODE-CODE		9030087
MODELO-MODEL-MODELE		AL-105 <sup>(1)</sup>
Entradas / salidas Inputs / outputs Entrées / sorties		1 / 2
Rango de frecuencia Frequency range Gamme de frequences	Band	TV
	MHz	40 - 862
Tensión de salida Output voltage Tension de sortie	V $\cdots$	+12
	mA	0 - 100
Tensión de red Mains voltage Tension secteur	V $\sim$	230 $\pm 10\%$ <sup>(2)</sup> 50/60 Hz
	VA	4
Temperatura de funcionamiento Operating temperature Température de fonctionnement	°C	-5..+55
Índice de protección Protection index Indice de protection		IP 30

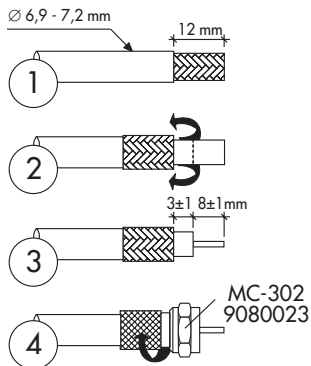
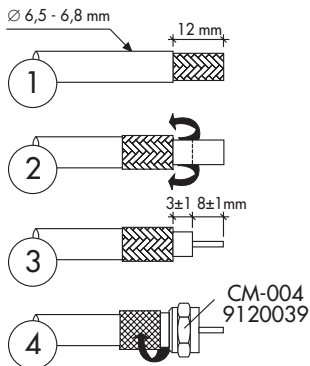
Se debe cargar la salida no utilizada con una carga RS-275 (COD. 9120011).

The unused output should be loaded with an RS-275 (COD. 9120011) load.

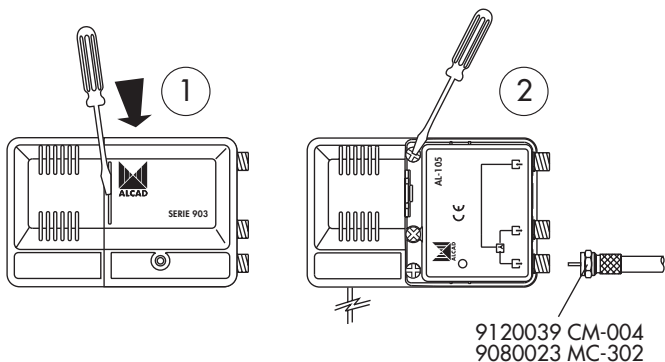
La sortie non utilisée doit être chargée avec une charge RS-275 (COD. 9120011).

- (1) Protegido contra sobrecargas y cortocircuitos. Si se produce un cortocircuito y no hay tensión de salida, desconectarlo de la red o quitarle la carga.
- (1) Protected against overloading and short-circuits. If a short-circuit occurs and there is no output voltage, unplug it from the mains or take off the load.
- (1) Protégée contre surcharges et court circuits. Si un court-circuit se produit, il coupe automatiquement sa tension de sortie, veuillez le déconnecter du réseau ou déconnecter sa sortie pour le réamer.
- (2) Bajo pedido 125 o 240 V $\sim$
- (2) Upon request 125 or 240 V $\sim$
- (2) Sur demande 125 ou 240 V $\sim$

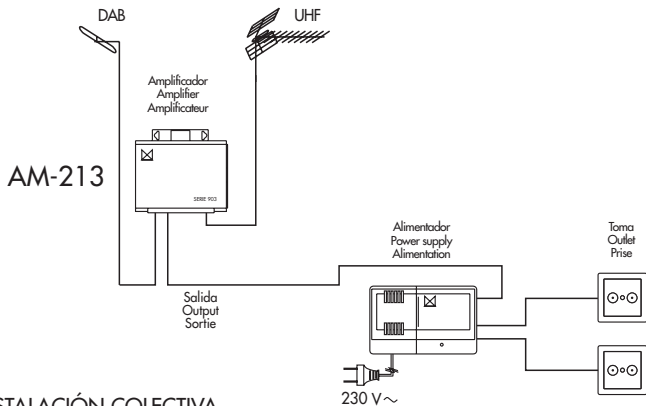
**CÓMO PREPARAR LOS CONECTORES F**  
**HOW TO PREPARE THE F CONNECTORS**  
**COMMENT PREPARER LES CONNECTEURS F**



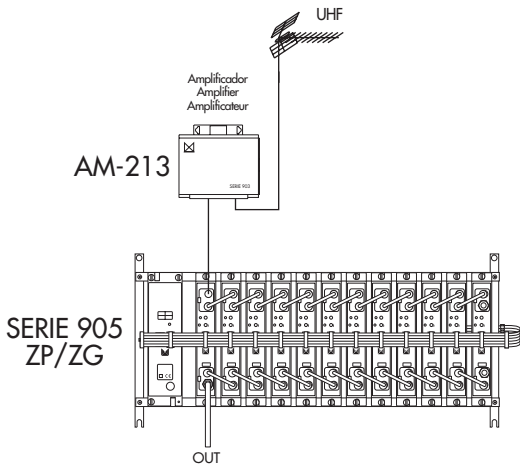
**CÓMO FIJAR EL ALIMENTADOR**  
**HOW TO FIX THE POWER SUPPLY**  
**COMMENT FIXER L'ALIMENTATION**



INSTALACIÓN INDIVIDUAL  
INDIVIDUAL INSTALLATION  
INSTALLATION INDIVIDUELLE



INSTALACIÓN COLECTIVA  
SMATV COLLECTIVE INSTALLATIONS  
INSTALLATION COLECTIVE SMATV





## DECLARATION OF CONFORMITY

according to EN ISO/IEC 17050-1:2004

**Manufacturer's Name:** ALCAD, S.A.  
**Manufacturer's Address:** Pol. Ind. Arreche-Ugalde, 1  
Apdo. 455  
20305 IRUN (Guipúzcoa)  
SPAIN

declares that the product

**Product Name:** 903 Series: MAST BROADBAND AMPLIFIERS and POWER SUPPLIES

**Model Number(s):** AM-213, AL-105

**Product Option(s):** INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN 50083-1:1993

EMC: EN 50083-2:2001  
EN 61000-6-1:2001

EN 61000-4-2:1995 ESD 15KV AD, 8KV CD.

EN 61000-4-4:1995 EFT 4KV-2,5KHz Sig. Lines, 4KV-2,5KHz Power Lines.

EN 61000-4-5:1995 CWG 4KV Power Lines.

EN 61000-4-11:1994 Dips and Variation.

Technical Features : EN50083-5:2001

### Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/ECC and the EMC Directive 89/336/EEC and their relevant amendments, gathered under the directive 93/68/EEC.

Note: to comply with these directives, do not use the products without covers and operate the system as specified.



Irún,

10-02-06

Date

Anton Galarza / General Manager

Especificaciones sujetas a modificación sin previo aviso  
Specifications subject to modifications without prior notice  
Les spécifications sont soumises à de possible modifications sans avis préalable



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ISO 9001

