



- ▶ AMPLIFICADORES MULTIBANDA
- ▶ MULTIBAND AMPLIFIERS
- ▶ AMPLIFICATEURS MULTIBANDE
- ▶ AMPLIFICADORES MULTIBANDA
- ▶ MEHRBEREICHsverstärker



SERIE/RANGE 904

CARACTERISTICAS PRINCIPALES							
MAIN FEATURES							
PRINCIPALES CARACTERISTIQUES							
CARACTERISTICAS PRINCIPAIS							
WESENTLICHE KENNZEICHEN							
CODIGO-CODE-CODE-CODIGO-CODE			9040058				
TIPO-TYPE-TYPE-TIPO-TYP			CA-313				
SISTEMA DE TV TV SYSTEM SYSTEME DE TV SISTEMA DE TV TV SYSTEM		AM TV DVB-T					
ENTRADAS/SALIDAS INPUTS/OUTPUTS ENTREES/SORTIES ENTRADAS/SAIDAS EINGÄNGE/AUSGÄNGE		5 / 1					
RANGO DE FRECUENCIAS FREQUENCY RANGE GAMME DE FREQUENCE RANGO DE FRECUENCIAS FREQUENZBEREICH		Band	BI	BIII	BIV	BV	UHF
		MHz	40-88	160-260	470-590	614-862	470-862
GANANCIA GAIN GAIN GANHO VERSTÄRKUNG		dB ± TOL	25 ± 1,5		34 ± 1,5		
REGULACION DE GANANCIA ADJUSTABLE GAIN REGLAGE DU GAIN REGULAÇÃO DO GANHO REGELBARER VERSTÄRKUNG		dB	20		16		
NIVEL DE SALIDA OUTPUT LEVEL NIVEAU DE SORTIE NIVEL DE SAIDA AUSGANGSPEGEL		dB μ V	114 DIN 45004B				
			111 (IMD ₃ -66 dB)				
			104 (IMD ₂ -60 dB)				
PASO DE CORRIENTE DC PATH PASSAGE D'ALIMENTATION PASSAGEM DE CORRIENTE OHNE EINGEBAUTER SPANNUNGSVERSORUNG		V $\overline{\text{---}}$	-		12		
		mA	-		50		
FIGURA DE RUIDO NOISE FIGURE FACTEUR DE BRUIT FIGURA DE RUIDO RAUSCHMAß		dB	6,5 ± 1,5		5,5 ± 1,5		

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB

IMD₃ -66 dB: 3 unequal carriers, EN 50083-5

IMD₂ -60 dB: 2 equal carriers, EN 50083-5

CARACTERISTICAS PRINCIPALES**MAIN FEATURES****PRINCIPALES CARACTERISTIQUES****CARACTERISTICAS PRINCIPAIS****WESENTLICHE KENNZEICHEN**

CODIGO-CODE-CODE-CODIGO-CODE		9040058	
TIPO-TYPE-TYPE-TIPO-TYP		CA-313	
TENSION DE RED MAINS VOLTAGE TENSION DU SECTEUR TENSÃO DE REDE NETZSPANNUNG	V~	230±15% ⁽¹⁾	50/60 Hz
	VA	6	
TEMPERATURA DE FUNCIONAMIENTO OPERATING TEMPERATURE TEMPERATURE DE FONCTIONNEMENT TEMPERATURA DE FUNCIONAMENTO BETRIEBSTEMPERATUR	° C	-10..+65	
INDICE DE PROTECCION PROTECTION INDEX INDICE DE PROTECTION INDICE DE PROTECÇÃO SCHUTZKLASSE		IP 20	

(1) Bajo pedido 125 o 240 V~

(1) Upon request 125 or 240 V~

(1) Sur demande 125 ou 240 V~

(1) Sob pedido 125 ou 240 V~

(1) Nach Anfrage Auswahl zwischen 125 oder 240 Wechselspannung möglich

- ▶ REDUCCION DEL NIVEL DE SALIDA
- ▶ REDUCTION OF THE OUTPUT LEVEL
- ▶ REDUCTION DU NIVEAU DE SORTIE
- ▶ REDUÇÃO DO NIVEL DE SAIDA
- ▶ MINDERUNG DER AUSGANGSPEGEL

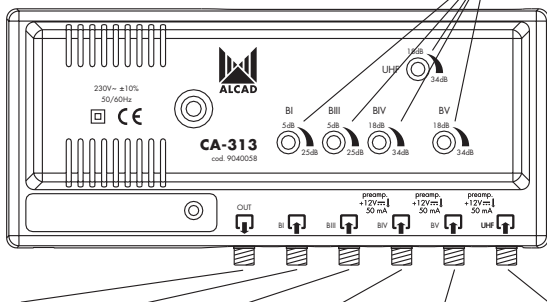
NIVEL DE SALIDA / OUTPUT LEVEL / NIVEAU DE SORTIE / NIVEL DE SAIDA / AUSGANGSPEGEL

CANALES CHANNELS CANAUX CANAIS KANALE		2	3	4	5	6	7	8	9	10	15	20
NIVEL MAXIMO MAXIMUN LEVEL NIVEAU MAXIMUM NIVEL MAXIMO MAXIMAPEGEL	dB μ V	114	112	110	109	109	108	108	107	107	105	104

DIN 45004B

- ▶ AMPLIFICADOR CA-313
- ▶ AMPLIFIER CA-313
- ▶ AMPLIFICATEUR CA-313
- ▶ AMPLIFKADOR CA-313
- ▶ VERSTÄRKER CA-313

REGULADOR DE GANANCIA
GAIN REGULATOR
REGLAGE DE GAIN
REGULADOR DE GANHO
VERSTÄRKUNGSGRAD REGLER



SALIDA
OUTPUT
SORTIE
SAIDA
AUSGANG

ENTRADA BI
BI INPUT
ENTREE BI
ENTRADA BI
EINGANG BI

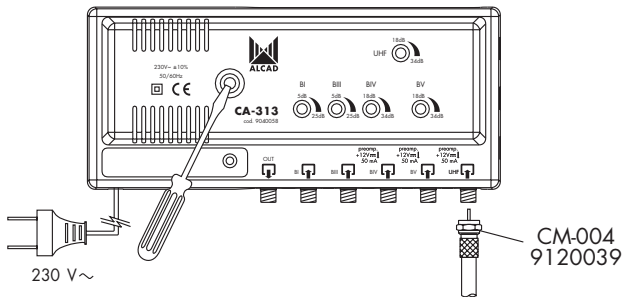
ENTRADA BIII
BIII INPUT
ENTREE BIII
ENTRADA BIII
EINGANG BIII

ENTRADA BIV
BIV INPUT
ENTREE BIV
ENTRADA BIV
EINGANG BIV

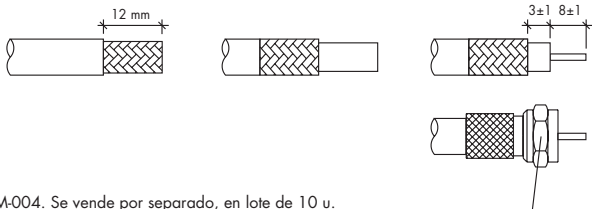
ENTRADA BV
BV INPUT
ENTREE BV
ENTRADA BV
EINGANG BV

ENTRADA UHF
UHF INPUT
ENTREE UHF
ENTRADA UHF
EINGANG UHF

- ▶ COMO FIJAR EL AMPLIFICADOR
- ▶ HOW TO FIX THE AMPLIFIER
- ▶ COMMENT FIXER L'AMPLIFICATEUR
- ▶ COMO FIXAR O AMPLIFICADOR
- ▶ WIE WIRD DER VERSTÄKER BEFESTIGT



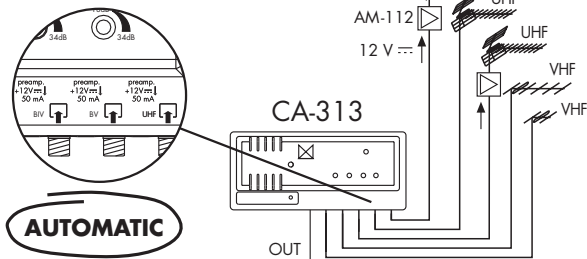
- ▶ COMO PREPARAR LOS CONECTORES F (CM-004)
- ▶ HOW TO PREPARE THE F CONNECTORS (CM-004)
- ▶ COMMENT PREPARER LES CONNECTEURS F (CM-004)
- ▶ COMO PREPARAR OS CONECTORES F (CM-004)
- ▶ KABEL VORBEREITUNG FÜR F-STECKER (CM-004)



CM-004. Se vende por separado, en lote de 10 u.
 CM-004. Are sold separately in a 10 units/pack
 CM-004. A vendre séparément par lots de 10 u.
 CM-004. Venda-se separadamente em lotes de 10 u.
 CM-004. F-Stecker nicht im Lieferumfang enthalten bitte separat bestellen im 10 st. Pack

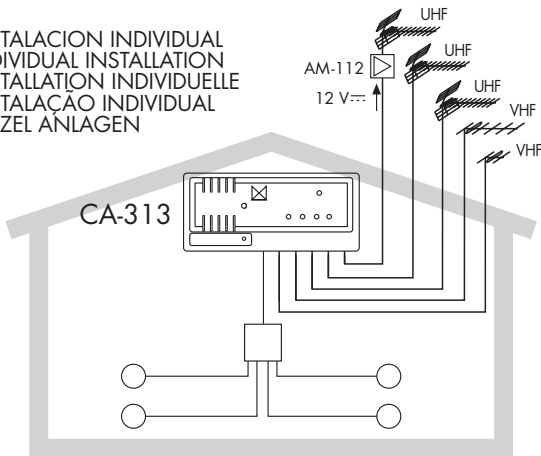
CM-004
9120039

- ▶ COMO ALIMENTAR UN PREAMPLIFICADOR
- ▶ HOW TO FEED A PREAMPLIFIER
- ▶ COMMENT ALIMENTER UN PREAMPLIFICATEUR
- ▶ COMO ALIMENTAR UM PRE-AMPLIFICADOR
- ▶ WIE MAN EINEN VORVERSTÄRKER EINSPEIST

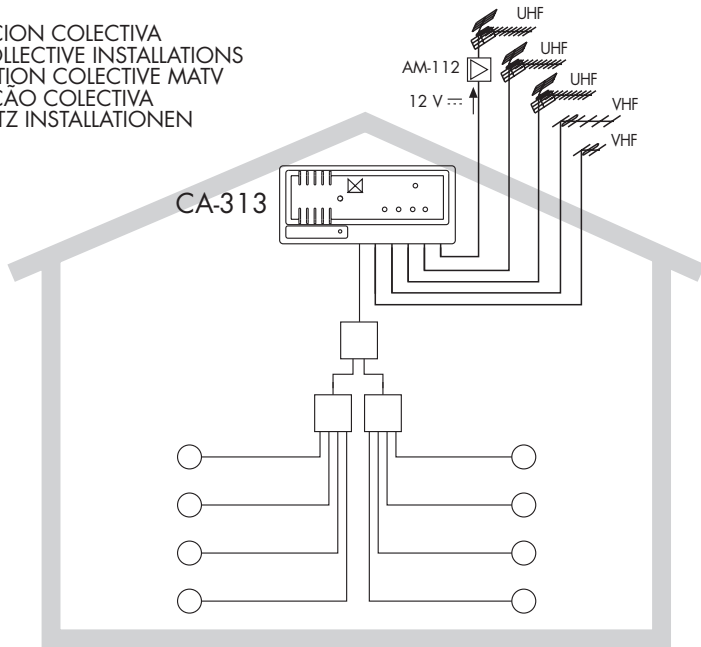


Sólo es posible alimentar dos preamplificadores a la vez.
 On peut seulement alimenter deux preamplificateurs à la fois.
 Just two preamplifiers can be fed at the same time.
 Só é possível alimentar dois amplificadores ao mesmo tempo.
 Nur 2 Verstärker können gleichzeitig versorgt werden.

- ▶ INSTALACION INDIVIDUAL
- ▶ INDIVIDUAL INSTALLATION
- ▶ INSTALLATION INDIVIDUELLE
- ▶ INSTALAÇÃO INDIVIDUAL
- ▶ EINZEL ANLAGEN



- ▶ INSTALACION COLECTIVA
- ▶ MATV COLLECTIVE INSTALLATIONS
- ▶ INSTALLATION COLECTIVE MATV
- ▶ INSTALAÇÃO COLECTIVA
- ▶ KABELNETZ INSTALLATIONEN





DECLARATION OF CONFORMITY

according to EN 45014

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: 904 Series: AMPLIFIERS
Model Number(s): CA-313

Product Option(s): INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN50083-1

EMC: EN 50083-2, EN 50081-1 Electromagnetic Compatibility for Equipment
IEC 61000-4-2:1995 / EN 50082-1:1997 ESD 8KV AD, 4KV CD.
IEC 61000-4-4:1995 / EN 50082-1:1997 EFT 0,5KV- 5KHz Sig. Lines, 1KV-5KHz Power Lines.
IEC 61000-4-5:1995 / EN 50082-1:1997 CWG 1KV Power Lines.
IEC 61000-4-11:1994 / EN 50082-1:1997 Dips and Variation.

Technical Features : EN50083-5

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 directives 93/68/EEC.

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



Irún,

11-04-03

Date

Antton Galarza / General Manager



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ISO 9001



ER-196/1/96