

Order number: 20510021

Open text field 1:



- Distribution network amplifier for satellite and terrestrial range in a Kathrein sat IF distribution system with 8 x sat IF
- Nine amplifiers (8 x sat IF and 1 x terrestrial range) in one housing
- High amplifier unit dynamic range
- High decoupling between amplifier units
- Terrestrial amplifier unit has CATV capability due to GaAs output stage
- For indoor installation
- Incrementally adjustable attenuator (1 dB steps) for satellite and terrestrial range (all satellite branches are adjusted simultaneously)
- Incrementally adjustable pre-equalisation (2/4/6 dB) in satellite range (all satellite branches are adjusted simultaneously)
- Power supply to VWS 2991 and LNB feed by remote feeding from the EXR 2908 multi-switch via the "horizontal low" satellite branch
- Optionally the power supply to the VWS 2991 can come from the DC connection using the NCF 18 power supply unit (not included)
- The power supply from the DC connection only supplies the amplifier itself, it does not take over the LNB feed



Hersteller: Kathrein

VWS 2991

Product information "VWS 2991"

Sat distribution network amplifier - 47-862 and 8 x 950-2150 MHz - 9 inputs/9 outputs - Remote feeding via last multi-switch or external DC connection;

Type:	VWS 2991
Order no.:	20510021
Inputs:	1 x terrestrial / 8 x Sat IF
Trunk decoupling:	- / 45 dB
Max. output level (interference products 2nd order):	104 □) / 104 ³⁾ dBμV
Max. output level (interference products 3rd order):	108 ³⁾ / 112 ³⁾ dBμV
Permissible input voltage range:	- V
Nominal input voltage:	- V
Nominal input power at 0/300/500 mA load:	- W
Protection class/protection type:	-/IP 30
Frequency range:	47-862 / 950-2150 MHz
Available remote feed current (input horiz. low):	- mA
Max. operating level for CATV (up to 862 MHz) □):	96 / - dBμV
Max. remote feed current (per satellite branch):	1000 mA
Supply voltage:	+ 18 V
Adjustment range of the adjustable attenuator (1 dB steps):	0-15 / 0-15 dB
Gain ¹⁾ :	16 / 15 dB
Equalisation setting range:	- / 2/4/6 dB
Secondary voltage (input horiz. low):	- V
Current drain:	120 mA
Connections:	F connectors
Ambient temperature range:	-20 to +55 °C
Dimensions (W x H x D):	112 x 228 x 43 mm
Packaging unit/weight:	1 (10)/0.57 pc/kg

¹⁾ Frequency-dependent amplification (pre-emphasis)

²⁾ 60 dB KMA in accordance with EN 50083-5

³⁾ 35 dB IMA in accordance with EN 60728-3

□) 60 dB IMA in accordance with EN 60728-3

□) In accordance with EN 60728-3, 60 dB CTB/CSO, CENELEC channel plan