



VWS 2991

Multiswitch distribution network amplifier

Order no.: 20510021



- Distribution network amplifier for satellite and terrestrial range in Kathrein satellite IF distribution system 8 x satellite IF
- Nine amplifiers (8 x Sat IF and 1 x terrestrial range) are housed in one cabinet
- High modulation stability of the amplifier trains
- High decoupling between the amplifier trains
- BK suitability of the terrestrial amplifier train by GaAs output stage
- For indoor installation
- Stepwise adjustable attenuation controls (1-dB step) for the satellite and terrestrial ranges (all satellite branches are adjusted separately for each satellite position at the same time)
- Stepwise adjustable pre-equalization (2/4/6 dB) in the satellite range (all satellite branches are adjusted separately for each satellite position at the same time)
- The power supply of the VWS 2991 and LNB supply is done by remote supply from the multiswitch EXR 2908 via the satellite branch "horizontal low".
- The VWS 2991 can also be optionally powered via the DC connection with the NCF 18 power supply unit (not included in the scope of delivery)
- When power is supplied via the DC connector, only the amplifier itself is supplied, but not the LNB power supply

Technische Daten / Technical Data:

Type:	VWS 2991
Order no:	20510021
Inputs:	1 x terrestrial / 8 x Sat IF
Decoupling strain:	45 dB
Max. Output level (2nd order interference products):	104 ⁴⁾ / 104 ³⁾ dB μ V
Max. Output level (3rd order interference products):	108 ²⁾ / 112 ³⁾ dB μ V
Protection class:	IP 30
Frequency range:	47 – 862 / 950 – 2150 MHz
Max. Operating level for BK (up to 862 MHz) ⁵⁾ :	96 dB μ V
Max. Remote power supply current (per satellite branch):	1000 mA
Supply voltage:	+ 18 V
Setting range of attenuation adjuster (1 dB steps):	0 – 15 / 0 – 15 dB
Amplification ¹⁾ :	16 / 15 dB
Adjustment range equalization:	2/4/6 dB
Power consumption:	120 mA
Connections:	F-Connectors
Permissible ambient temperature:	-20 to +55 °C
Dimensions (W x H x D):	112 x 228 x 43 mm
Packaging unit/weight:	1 (10)/0.57 pcs./kg

¹⁾ Frequency-dependent amplification (pre-emphasis)

²⁾ 60-dB KMA according to EN 50083-5

³⁾ 35-dB IMA according to EN 60728-3

⁴⁾ 60-dB IMA according to EN 60728-3

⁵⁾ According to EN 60728-3, 60-dB-CTB/CSO, CENELEC grid

Downloads

- [VWS 2991 - Produktdatenblatt \(Version: 09/2023 - Größe: 91.04 KB\)](#)
- [VWS 2991 - Bedienungsanleitung | User Manual \(Version: 1 - Größe: 6.46 MB\)](#)



Produkt Galerie:

