



## VWS 2900

Multiswitch distribution network amplifier

Order no.: 20510026



- 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) in each amplifier strip for leveling different input levels
- Fixed pre-equalization in the terrestrial amplifier train
- Stepwise adjustable pre-equalization (2/4/6 dB) in each satellite amplifier train
- Low power consumption due to highly efficient, short-circuit-proof switching power supply unit
- LNB remote power supply possibility via the input horizontal low. All other inputs are voltage-free (thus operation with UAS 585 possible)

Status 08/2023

## Technische Daten / Technical Data:

Type:	VWS 2900
Order no:	20510026
Inputs:	1 x terrestrial / 8 x Sat IF
Decoupling strain:	40 dB
Max. Output level (2nd order interference products):	104 <sup>4)</sup> / 110 <sup>3)</sup> dB $\mu$ V
Max. Output level (3rd order interference products):	113 <sup>2)</sup> / 115 <sup>3)</sup> dB $\mu$ V
Permissible input voltage range:	198 – 253 V
Nominal input voltage:	230 V (47 – 63 Hz)
Nominal input power at 0-/300-/500-mA load:	7,5/13,6/18 W
Protection class   Protection class:	II (protective insulation)   IP 30
Frequency range:	47 – 862 / 950 – 2150 MHz
Available remote power supply current (input horiz. low):	500 mA
Max. Operating level for BK (up to 862 MHz) <sup>5)</sup> :	98 dB $\mu$ V
Setting range of attenuation adjuster (1 dB steps):	0 – 15 / 0 – 15 dB
Amplification <sup>1)</sup> :	17 → 21 / 24 dB
Adjustment range equalization:	2/4/6 dB
Voltage secondary (input horiz. low):	18 V
Connections:	F-Connectors
Permissible ambient temperature:	-20 to +55 °C
Dimensions (W x H x D):	148 x 285 x 43 mm
Packaging unit/weight:	1 (10)/1.1 pc/kg

<sup>1)</sup> Frequency-dependent amplification (pre-emphasis)

<sup>2)</sup> 60-dB KMA according to EN 50083-5

<sup>3)</sup> 35-dB IMA according to EN 60728-3

<sup>4)</sup> 60-dB IMA according to EN 60728-3

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

## Downloads

- [VWS 2900 - Produktdatenblatt \(Version: 09/2023 - Größe: 172.05 KB\)](#)
- [VWS 2900 - Bedienungsanleitung | User Manual \(Version: 1 - Größe: 1.31 MB\)](#)



Produkt Galerie:

