



## Indoor multiband amplifier broadband inputs Fusion Pro FP series

### art. 26-765 FP20/30 V+U-U



Outdoor multiband amplifier with broadband inputs, indicated medium size TV systems.

This amplifier is designed to optimize the amplification of DTT signals in the range E05÷E12+E21÷E48, attenuating the 700 MHz band without preventing the proper functioning of the channel E48.

Ideal for different system solutions thanks to a two-step selector that allows to set the maximum gain on the UHF band at 20 or 30 dB.

The VHF band, instead, has a maximum gain of 28 dB.

The two inputs are so distributed:

- 1 VHF+UHF band input;
- 1 UHF band input.

The UHF band input is equipped with a trimmer for the gain adjustment (0÷15 dB), while the VHF+UHF band input is equipped with two trimmers, one for the VHF band (0÷20 dB) and another for the UHF band (0÷15 dB).

Switching power supply unit with low consumption and protection system against short circuits.

Fully shielded die-casting metal housing with screw F-type connectors and small size sturdy case realized in low flame spread ABS plastic.

### Characteristics

- 20 or 30 dB UHF band max gain selector
- High output level
- Separate amplification for VHF and UHF bands
- Components with a high quality standard

Code	26-765	
Item	FP20/30 V+U-U	
No. of inputs	2	
No. of adjustments	3	
VHF band noise figure	dB	7
UHF band noise figure	dB	6
VHF band max output level*	dB $\mu$ V	120
UHF band max output level*	dB $\mu$ V	125
<b>UHF BAND GAIN SELECTOR</b>	<b>20 dB</b>	<b>30 dB</b>
VHF band max gain	dB $\pm$ 2	28
UHF band max gain	dB $\pm$ 2	23    33
Max delivered current	mA	100
Remote power supply	Vdc	12
Max power consumption	W	5,9
AC main tension	230 V~ $\pm$ 10% 50Hz	
Isolation class	II	
Dimensions (LxWxH)	mm	152x45x100
Packaging dimensions (LxWxH)	mm	160x53x120
Packaging weight	Kg	0,375
Fit temperature	$^{\circ}$ C	0 ÷ +55
Compliant to EU directives	2014/53/UE, 2011/65/UE	

\* Maximum output level measured with the method IM3 -35dBc 2 tones.  
Technical data refer to a temperature of 25  $^{\circ}$ C

### Example of application

