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Overlight dCSS Optical Receiver with 4 dCSS/Legacy outputs

For SKY applications, FM/DAB/UHF/SAT

Enhanced electronics and optical engineering to light up your TV

This complete optical Wideband satellite and terrestrial receiver captures the TV optical signal on a single fiber (1100...1650nm) and restores the original terrestrial and satellite TV signals, providing SKY services through its 4 RF outputs, which makes it compatible with any new or existing set top boxes.

Thanks to its optimized electronics and low losses, it allows to reduce the number of amplifiers required and simplifies deployment in the design of collective installations, preserving the signal quality throughout the process. Furthermore, it is fully indicated for use in GPON installations, and it perfectly adapts to SKY applications.

This device is part of the Overlight system, that distributes satellite and terrestrial signals to multiple users through a single optical fiber.

Ref.237530

Art.Nr

EAN13

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Highlights

- Very compact in dimensions and weight
- Compatible with GPON deployments
- Supports SKY modes
- Low losses
- Optimized electronic behavior
- 100% European design, quality, and manufacturing

Main features

- SC/APC optical connector
- F-type RF connectors
- High-screening Zamak chassis
- Can be wall-mounted using screws
- Power supply unit included (Ref. 830209)
- LED indicator displaying signal status

Technical specifications

TERR number of outputs		4			
dCSS number of outputs		4			
Legacy number of outputs		4			
Frequency range TERR	MHz	87 ... 694			
Frequency range SAT	MHz	950 ... 2150			
Impedance	Ω	75			
Output type		TERR	dCSS	Legacy	
Output level	dBμV	69 ... 73	80	64 ... 71	
Wavelength	nm	1200 ... 1600			
Optical device		InGaAs pin photodiode			
Optical input level	dBm	-13 ... -6			
Powering	Vdc	12 ... 18			
Max current @12V	mA	750			
Max current @18V	mA	530			
Operating temperature	°C	-5 ... 45			
PSU input voltage	Vac	100 ... 240			
Max PSU current input	mA	600			
PSU output voltage	Vdc	12			
Max PSU output current	A	1.5			
PSU protection index		23			
PSU operating temperature	°C	-5 ... 45			