

Product Sheet

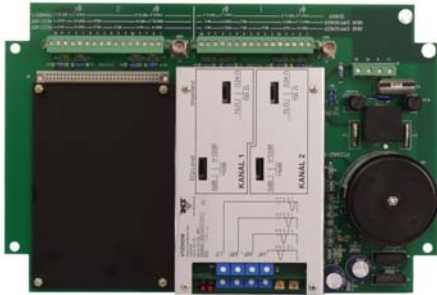
Dual twisted pair Receiver VTZ05DW

Weatherproof

Article Number: 501103 VTZ05DW
501441 VTZ05DW2

Short description:

- Receiver potential-free due to transformer coupling
- VTZ05 dual version
- 3 kV electrical strength
- Overvoltage protection
- Triple impedance switching
- Black control
- Amplifier control
- Active equalisation
- 40 dB system equalisation
- Test port
- Video-GND/ground wire separately
- Net filter



Specification

Standard:	CCIR 625Z/50Hz Pal
Video inputs:	4 clamps
Video outputs:	4 clamps
Video input level / impedance	1 V _{ss} 75 Ω
Video output level / impedance	1 V _{ss} 75 Ω
Twisted pair input:	1.5 V _{ss} at 100Ω, or 120 Ω
Equalisation:	40 dB
Pre-equalisation:	6 dB / 12 dB
Level control:	± 6 dB
Bandwidth:	5 MHz
Diff. Phase:	< 0.6°
Diff. Gain:	< 0.6 %
Signal/noise ratio:	> 64 dB rms rated
Linearity fault:	< 0.3 %
K-2T:	< 1.2 %KF
Clamp fault:	< 0.1 %
Drop:	< 1 %
Type of protection- AL casing:	IP65 according to DIN 40050
Protection class:	1 according to VDE 0804
Operation temperature:	-20 °C to 50 °C
Humidity:	90 % non-condensing
Dimensions- AL casing (W x H x D):	260 mm x 260 mm x 100 mm
Weight- AL casing:	about 2.5 kg



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Meets the following CE-Standards:

Emitted interference	EN 55022
Burst	EN 610004-4
ESD	EN 610004-2
Surge	EN 610004-5
Net interrupt	EN 610004-11
Interference resistance	EN 610004-6
Interference resistance	EN 610004-3

Description of functions

With the ZDS07W/VTZ05DW system, 1500m can be bypassed over symmetric twisted pair lines, e.g. (A-2Y(L)2Y4x2x0.8).

Due to system equalisation of up to 40 dB and 60 dB, respectively, at 5 MHz, droop, active black-level clamping, low pass filter, synchronous pulse control and Sync-Burst-Regeneration, a proper transmission of images is provided.

Cable attenuation equalisation is provided by Sync-Level-Control.

Due to separate and active equalising filters, only those frequencies which are allocated to the respective adjuster are modified during balancing.

On the emission side, a 6 dB/12 dB increase can be adjusted at 5 MHz. Thus a higher signal/noise ratio can be achieved.

The transmitter ZDS07W and the receiver VTZ05DW are two-channel component assemblies.

All information provided in this product sheet refers to the current conditions and may be subject to change.