

Product Sheet

Twisted Pair Video-Receiver VTZ05W

Weatherproof



Article Number: 500958 VTZ05W
 500995 VTZ05WZ
 500466 VTZ05W1
 500468 VTZ05W2
 500467 VTZ05W1Z
 500469 VTZ05W2Z



Short description:

- Floating video-receiver through transformer coupling
- Video lost detection
- VTZ05WZ with repeater
- Overvoltage protection
- Triple impedance switching
- Black control
- Amplifier control
- Active equalisation
- 40 dB system equalisation
- Test port
- Isolated power supply

Specification

Standard:	CCIR 625Z/50Hz Pal
Video inputs:	2 clamps
Video outputs:	2 clamps
Video input level / impedance	1 Vss 75 Ω
Video output level / impedance	1 Vss 75 Ω
Two-wire input:	1.5 Vss at 100 Ω , or 120 Ω
Two-wire output (repeater):	1.5 Vss at 120 Ω , clamps
Equalisation:	40 dB
Pre-equalisation:	6 dB / 12 dB
Level control:	\pm 6 dB
Bandwidth:	5 MHz
Diff. Phase:	< 0.6 $^\circ$
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 $^\circ$ C to +50 $^\circ$ C
Dimensions: AL casing (W x H x D):	260 mm, 260 mm, 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 ZDS94/VTZ05W system 2800m can be bypassed by symmetric twisted-pair lines, e.g. (A-2Y(L)2Y4x2x0.8).

The equaliser can also be installed as coaxial cable equaliser (BNC input). The input impedance can be switched to 75 Ω .

Up to seven field lengths of 1800m each can be bypassed (12600m) due to system equalisation up to 60 dB at 5 MHz, droop, active black-level clamping, low pass filter, synchronous pulse control.

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.

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