

Product sheet

Dual twisted pair Transmitter ZDS07 19" Version



Article Number: 501202

Short description:

- Transmitter potential-free due to transmitter coupling
- ZDS07 dual version
- 3 kV electrical strength
- Overvoltage protection
- Triple impedance switching
- Black control
- "No video signal" display
- Two switchable video inputs per channel
- 19" Version
- Video-GND/ground wire separately
- Net filter

Specification

Standard:	CCIR 625Z/50Hz Pal
Video inputs:	2 x 2 BNC
Video outputs:	2 clamps
Video input level / impedance	1 V _{ss} 75 Ω
Twisted pair output:	1.5 V _{ss} at 100Ω, or 120 Ω
Pre-equalisation:	6 dB / 12 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 %
Droop:	< 1 %
Operational voltage:	24 V DC
System voltage BGT:	230 V AC
Power input BGT:	about 50 VA
Protection class:	1 according to VDE 0804
Operation temperature:	-20 °C to 50 °C
Humidity:	90 % non-condensing
Design:	Cassette
Dimensions (W x H x D):	61 mm x 129 mm x 160 mm (7 TE x 3 HE)
Weight:	about 0.6 kg
Dimensions: module rack BGT230 (W x H x D)	483 mm x 131 mm x 300 mm (84 TE x 3 HE)
Weight: module rack BGT230	about 4.1 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 system ZDS07W/VTZ05DW it is possible to bypass 1500m and 2800m respectively over a symmetric twisted pair line, e.g. (A-2Y(L)2Y4x2x0.8).

Thanks 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.

On the emission side (ZDS07W), a 6 dB/12 dB increase can be adjusted at 5 MHz. Thus a higher signal/noise ratio can be achieved.

The transmission end levels are electrically isolated from the transmission line by transmitters. Thus a high electrical strength is achieved.

19" versions and weather proof versions are available.

The transmitter ZDS07W is a two channel component assembly.

Accessories:

<i>Article Number:</i>	<i>Description</i>
500460	Module rack BGT230
500459	Construction set ZDS94RS1

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