

Product Sheet

Video Switching Unit (VSU-I)



Article Number: 300458

Short description:

- Video crossbar with:
 - 4 analog video inputs,
 - 4 analog video outputs,
 - 4 switchable video in-/outputs
- Video lost detection
- Optocoupler inputs
- Relay outputs
- RS422 interface for remote control
- Update over PC port



The **VSU** is a video Matrix, which undertakes the allocation of different video sources (e.g. Kameras) on different video outputs (e.g. TFT display; digital recorder et al.) in vehicles.

Specification	
System	CCIR 625Z/ 50Hz PAL
Operational voltage	24 V DC
Power input	max. 1,5 A
Number of camera inputs	4 to 8 (configurable) BNC, video outputs
Number of screen outputs	4 to 8 (configurable) BNC, decoupled video outputs
Video input level / impedance	FBAS 1 V _{ss} , 75 Ohm
Video output level / impedance	FBAS 1 V _{ss} , 75 Ohm
Control inputs	16 potential-free over optocoupler
Status signals	10 LED's
Control outputs	4 potential-free over relay
Interface 1	Power IN
Interface 3	RS422 for service features via Notebook (over RS485)
MTBF	50.000 hours
Temperature range	-25° to +70° C
Storage and transport temperature	-40° to +85° C
Humidity	90 % non-condensing

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Meets the following Standards:

Climate-proof and shake-proof	EN 50155
Electromagnetic compatibility (EMC)	EN 50121-3-2
Emitted interference	EN 55022
Interference voltage (vehicle)	VDE 0879 KI 3
Fast transient and Burst	EN 61000-4-4
ESD immunity	EN 61000-4-2
Surge immunity	EN 61000-4-5
Immunity to conducted disturbance, induced by RF fields	EN 61000-4-6 Grd.3
RF immunity	EN 61000-4-3 10V/m
Voltage variations	EN 50155
Flammability	DIN 5510
Casing	Aluminium front, steel plate casing
Dimensions (W x H x D)	450 x 44 x 240 mm (84 TE/ 1HE)
Weight	1.500 g

Accessories:

Article Number	Description
500544	RS232/RS485-RS422- Convertor incl. power supply

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