



TIS POWER RELAY

6 Channels 5 Amps

Model: VLC-6CH-5A

Data Sheet Rev 3.2



OVERVIEW

Our Relay Series, which is based on the number of channels and available in different types, is an integral part of any automation system and is used to turn ON/OFF or OPEN/CLOSE different parts of your appliances, such as lights, sprinklers, gate motors, curtains, shutters, fan speed, floor heating, water/ gas valves, sirens, flashers, and more.

Also, it is not limited to the number of outputs; since this solution works in the TIS-BUS system, it can be linked to another module to control as many outputs as you want simultaneously.

KEY BENEFITS

- + 6 Switching Power Relay
- + 6 Buttons for Manual ON/OFF
- + DIY Programming
- + Timer and consumption calculation function
- + Works with TIS-BUS Protocol

KEY FEATURES

- ★ Standard 35 mm Din-Rail Mounted
- ★ Free Voltage output
- ★ 5A Current per channel
- ★ Reverse Polarity Protection
- ★ Lights, Motors, and FCUs Control



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PRODUCT SPECIFICATIONS

↑ Output	Number of channels	6
	Nominal voltage	0 – 230 V AC 50/60 Hz
	Nominal current per channel	
	Low current	5 A
	Lighting Incandescent Lamp	4 A
	Motors / Air condition	3 A
↑ Output switching current	LED and CFL Lamp	1 A
	Max switching current	5A
↑ Output service life	Max Continues current	4A
	Mechanical service life	> 5,000,000 Times
↑ Output switching times	Operating time	10 mS (at nomi. Volt)
	Releasing time	10 mS (at nomi. Volt)
TISBUS TIS Bus	Number of devices on 1 line	Max. 64
	Bus voltage	12-32 V DC
	Current consumption (Normal)	<20 mA / 24 V DC
	Current consumption (operation)	<100 mA / 24 V DC
	Protection	Reverse polarity protection
🕒 Reaction time		approx. 20ms
🔧 Operating and display elements	Programming button/LED	For assignment of the physical address
	1-6 buttons	Manual ON/OFF and programming
	By TIS bus Programming	TIS protocol messages and commands Manual basic programming or via software
🔩 Mounting	Din Rail	Standard 35 mm Din rail
	Wall mount	screw holder on the back of the module
🔌 Connection terminal	Load and Power	Screw terminal 0,25...4mm ²
	Data / bus	Male/female connectors Link + screw Terminal
⚙️ Functions	Lighting control ON/OFF	6 channels controlled separately
	Motor setting	Can set 3 groups of curtains (open/close)
	Fan speed control	Can set 2 groups of fans (low, med, high)
⚖️ Weight	Without packaging	0.21 KG
📏 Dimensions	Width × Length × Height	73mm × 76mm × 90mm



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PRODUCT SPECIFICATIONS

Housing	Materials	ABS fire proof
	Casing color	Black Gray
	Button color	Silver
	IP rating	IP 20
Temperature range	Operation	-30...60°C
	Storage	-20...60°C
	Transport	-30...75°C
Air humidity		<85% non-condensing

