

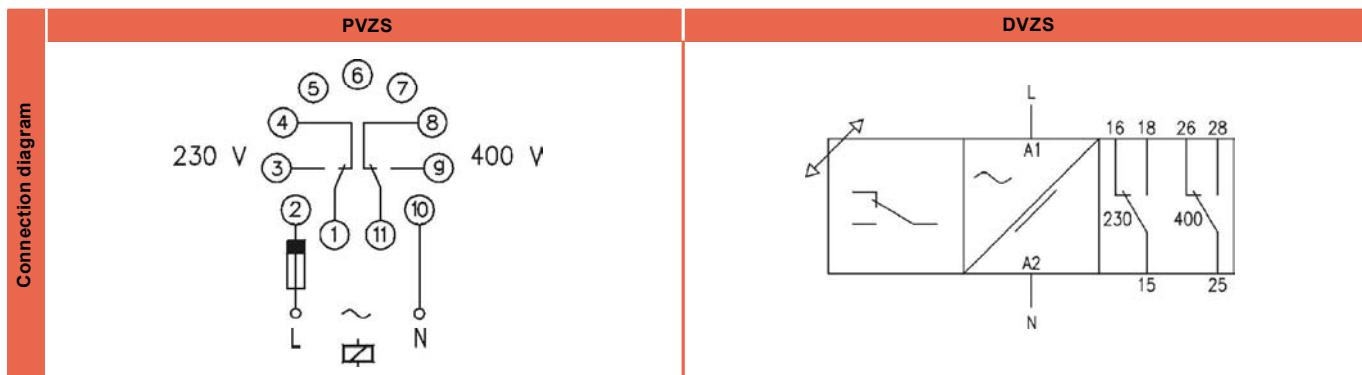
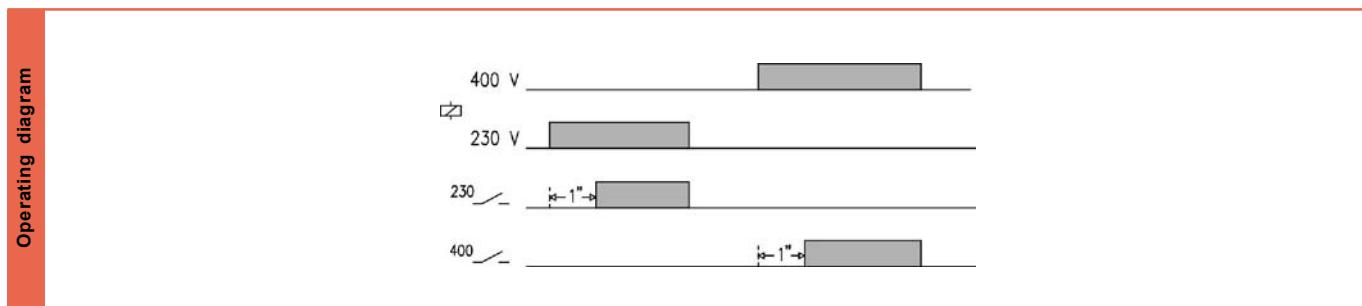
**PVZS
DVZS**

**RELAY FOR THE AUTOMATIC
CHANGE OF VOLTAGE**

Field of application	<ul style="list-style-type: none"> Mains discriminator. Portable devices.
Measurement	AC single phase.
Operating principle	When the supply voltage is connected and after 1 s. has passed, if the voltage is less than 286V, the "230 V" relay operates. If the voltage is greater than 286V the "400 V" relay operates.
Leds indication	Power on: Green Relays on: Red
Shoot point	286 VAC
Timing	Fix, 1 second.

Reference	HOUSING	FUNCTION	OUTPUT	VOLTAGE	RANGE
P D	Plug-in DIN rail	V Z Relay for the automatic change of voltage	S SPDT	230 230..240 VAC/DC 400	230 / 400 VAC

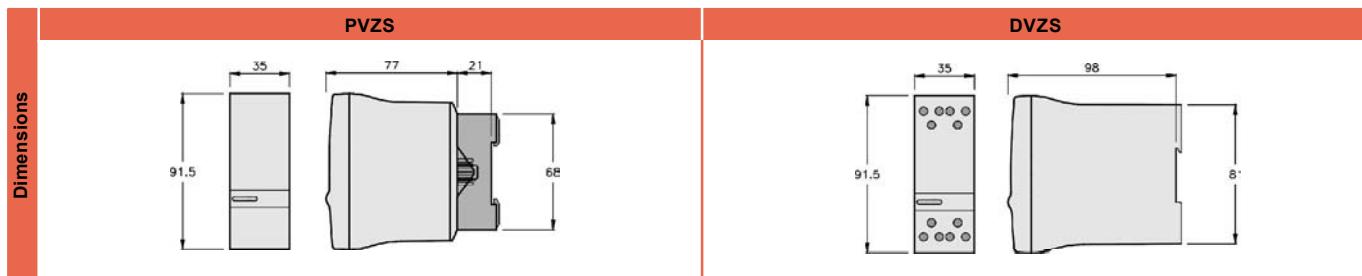
To compose the reference, select one option of each column. Example: **PVZS 230 400**



Output relays	PVZS		DVZS	
	AC	10 A / 250 V	10 A / 250 V	
	DC	0,4 A / 200 V 10 A / 24 V	0,4 A / 200 V 10 A / 24 V	
	Inductive load	AC	5 A / 250 V	5 A / 250 V
		DC	5 A / 24 V	5 A / 24 V
	Mechanical life	> 30 x 10 ⁶ operations		> 30 x 10 ⁶ operations
	Max. switching rate, mech.	72.000 operations / hour		72.000 operations / hour
	Electrical life at full load	360 operations / hour		360 operations / hour
	Contact material	AgNi 90/10		AgNi 90/10
	Maximum voltage	440 VAC		440 VAC
	Operating voltage	250 VAC		250 VAC
	Volt. between changeovers	2500 VAC		2500 VAC
	Voltage between contacts	1000 VAC		1000 VAC
	Voltage coil/contact	5000 VAC		5000 VAC
	Distance coil/contact	10 mm		10 mm
	Isolation resistance	> 10 ⁴ MΩ		> 10 ⁴ MΩ

Supply	AC	
	PVZS	DVZS
	Galvanic isolation	Yes
	Frequency	50 / 60 Hz
	Operating margins	±10% -15%
	Positive	-
	Protected polarity	-

Constructive and environmental data	PVZS		DVZS	
	Voltage phase-neutral	300 V	300 V	
	Oversupply category	III	III	
	Rated impulse voltage	4 kV	4 kV	
	Pollution degree	2	3	
	Protection	IP 20 B	IP 20	
	Approximate weight	250 g	280 g	
	Storage temperature	-50°C +85°C	-50°C +85°C	
	Operating temperature	-20°C +50°C	-20°C +50°C	
	Humidity	30~85% HR	30~85% HR	
	Housing	Cyclooy - Light grey	Cyclooy - Light grey	
	Socket	Lexan - Light grey	-	
	Leds cover	Lexan - Transparent	Lexan - Transparent	
	Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue	
	Pins of the socket	Nickel-plated brass	-	
	Pins of the terminal block	-	Brass	
	Approvals	Designed and manufactured under EEC standards. Electromagnetic compatibility, directives 89/366/EEC and 92/31/EEC. Electric safety, directive 73/23/EEC. Plastics: UL 91 V0		



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