

# PVSS / PVST DVSS / DVST

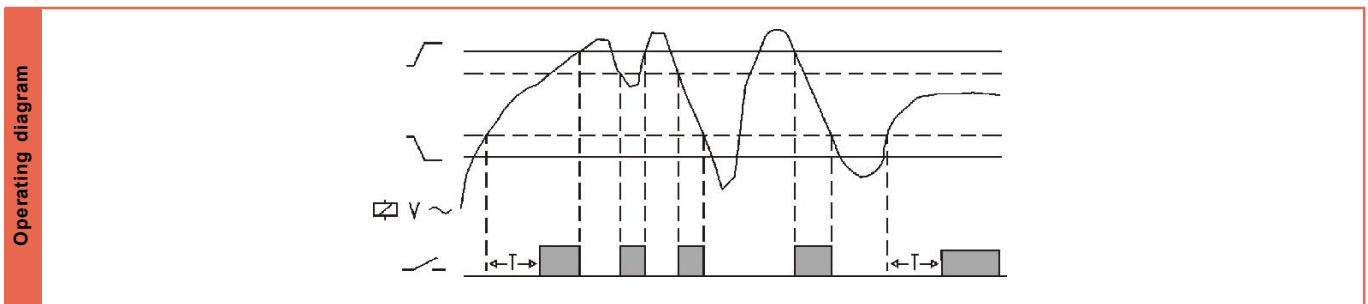


## THRESHOLD VOLTAGE RELAY

Function	Threshold voltage relay. Fixed set points.
Operating principle	The relay remains operated while the value of the supply voltage is less than the value of the maximum set point and greater than the value of the minimum set point. If the supply voltage exceeds the maximum or goes below the minimum, the relay releases. If it has detected by maximum, when the supply voltage goes below the hysteresis value, the relay operates instantaneously. If it has detected by minimum, when the supply voltage goes above the hysteresis value, the time circuit starts-up and the relay operates after the time has passed.
Reference / Contacts	PVSS/DVSS - spdt · PVST/DVST - dpdt
Leds indicators	Power on: Green Relay on: Red
Supply voltage	230 VAC
Maximum voltage	460 VAC
Set points	Maximum: 260 VAC ~ Minimum: 172 VAC
Hysteresis	±10%
Timing	3 seconds, approximate.

	HOUSING	FUNCTION	OUTPUT	VOLTAGE
Reference	<b>P</b> Plug-in <b>D</b> DIN rail	<b>VS</b> Threshold voltage relay	<b>S</b> SPDT <b>T</b> DPDT	<b>230</b> 230..240 VAC/DC

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



		PVSS / PVST		DVSS / DVST	
Output relays	Resistive load	AC	10 A / 250 V	10 A / 250 V	
		DC	0,4 A / 200 V	0,4 A / 200 V	
	Inductive load	AC	10 A / 24 V	10 A / 24 V	
		DC	5 A / 250 V	5 A / 250 V	
	Mechanical life		> 30 x 10 <sup>6</sup> operations	> 30 x 10 <sup>6</sup> 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 <sup>4</sup> MΩ	> 10 <sup>4</sup> MΩ		

	AC	
	PVSS / PVST	DVSS / DVST
Galvanic isolation	Yes	
Frequency	50 / 60 Hz	
Operating margins	±10% -15%	
Positive	-	
Protected polarity	-	

Constructive and environmental data	PVSS / PVST		DVSS / DVST	
	Voltage phase-neutral	300 V	300 V	
	Overvoltage 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	Cyclopy - Light grey	Cyclopy - 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			

Dimensions	PVSS / PVST		DVSS / DVST	

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