

**PVCA / PVCB
DVCA / DVCB
SVCA / SVCB**

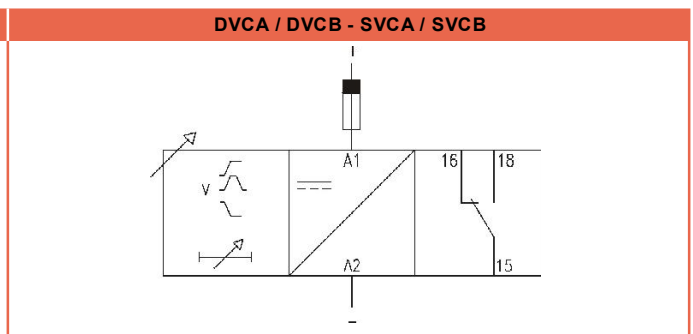
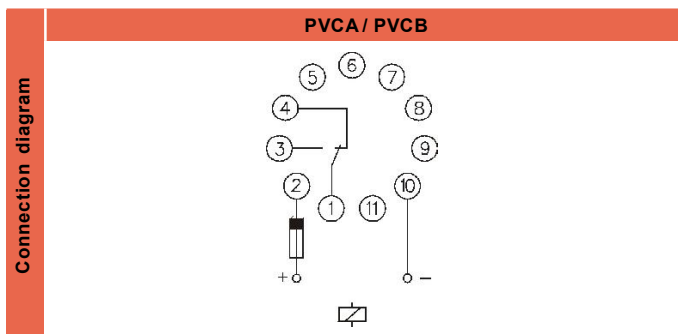
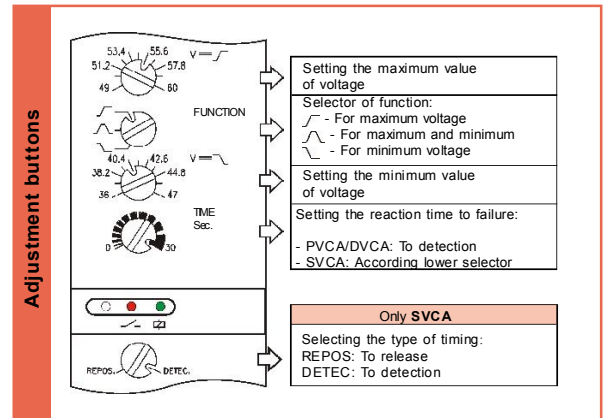
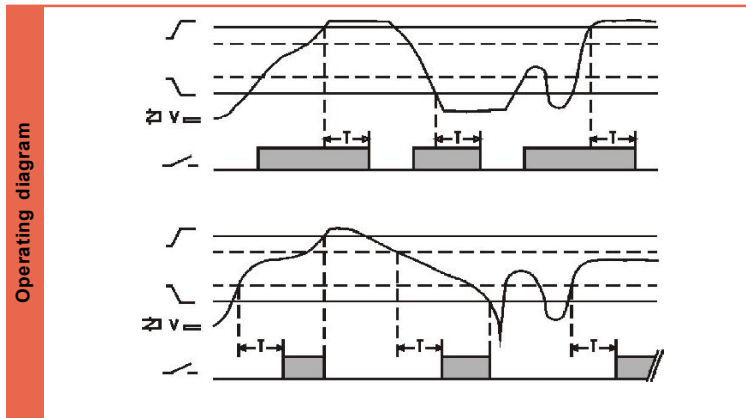


VOLTAGE RELAY

Difference	· Relay maximum, minimum or threshold voltage. · Control of own supply voltage.
Measurement	DC detection.
Operating principle	Threshold - Selector in "Λ" position. The relay remains activated while the value of the supply voltage is set below the maximum value and above the minimum value set. <u>PVCA/B-DVCA/B and SVCA/B with the detection timing:</u> If the supply voltage exceeds the set maximum or falls below the set minimum value, the relay is deactivated after the time set in the timer control. <u>SVCA/B with the replacement timing:</u> If the supply voltage exceeds the set maximum or falls below the set minimum value, the relay is deactivated instantly. When the supply voltage returns to be between tight margins, the relay is activated after the time set in the timer control. Maximum or Minimum - In modes maximum and minimum relay operates only in one of two states, whichever is selected.
Function	The operating mode is selected by the switch "Λ - Λ - Λ".
Leds Indication	Power on: Green Relay on: Red
Regulation	±25% on the nominal value.
Hysteresis	1% fix
Timing	PVCA/B - DVCA/B: Delay on detection, adjustable from 0 to 30 Sec. SVCA/B: Delay on detection or on release, adjustable from 0 to 30 Sec.

Referencia	HOUSING		FUNCTION		OUTPUT		VOLTAGE		
							MINIMUM	MAXIMUM	
P D S	Plug in DIN rail Flush mounting	V	C	Voltage relay	A B	SPDT DPDT	712	9..11,76 VDC	12,24..15 VDC
							724	18..23,52 VDC	24,48..30 VDC
							748	36..47,04 VDC	48,96..60 VDC
							110	82,5..107,8 VDC	112,2..137,5 VDC
							125	93,75..122,5 VDC	127,5..156,25 VDC

To compose the reference, select one option of each column. Example: **PVCA 748**



		PVCA / PVCB	DVCA / DVCB	SVCA / SVCB	
Output relays	Resistive load	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	> 30 x 10 ⁶ operations
	Max. switching rate, mech.		72.000 operations / hour	72.000 operations / hour	72.000 operations / hour
	Electrical life at full load		360 operations / hour	360 operations / hour	360 operations / hour
	Contact material		AgNi 90/10	AgNi 90/10	AgNi 90/10
	Maximum voltage		440 VAC	440 VAC	440 VAC
	Operating voltage		250 VAC	250 VAC	250 VAC
	Volt. between changeovers		2500 VAC	2500 VAC	2500 VAC
	Voltage between contacts		1000 VAC	1000 VAC	1000 VAC
	Voltage coil/contact		5000 VAC	5000 VAC	5000 VAC
	Distance coil/contact		10 mm	10 mm	10 mm
Isolation resistance		> 10 ⁴ MΩ	> 10 ⁴ MΩ	> 10 ⁴ MΩ	

Supply	12 - 24 - 48 VDC		110 - 125 VDC	
	PVCA / PVCB	DVCA/B - SVCA/B	PVCA / PVCB	DVCA/B - SVCA/B
Galvanic isolation	No		Yes	
Frequency	-		-	
Operating margins	± 10%		-	
Positive	Terminal 2	Terminal A1	Terminal 2	Terminal A1
Protected polarity	Yes		Yes	

Constructive and environmental data	PVCA / PVCB	DVCA / DVCB	SVCA / SVCB	
	Voltage phase-neutral	300 V	300 V	300 V
	Overvoltage category	III	III	III
	Rated impulse voltage	4 kV	4 kV	4 kV
	Pollution degree	2	3	3
	Protection	IP 20 B	IP 20	IP 20
	Approximate weight	250 g	280 g	280 g
	Storage temperature	-50°C +85°C	-50°C +85°C	-50°C +85°C
	Operating temperature	-20°C +50°C	-20°C +50°C	-20°C +50°C
	Humidity	30~85% HR	30~85% HR	30~85% HR
	Housing	Cyclopy - Light grey	Cyclopy - Light grey	Cyclopy - Light grey
	Socket	Lexan - Light grey	-	-
	Leds cover	Lexan - Transparent	Lexan - Transparent	Lexan - Transparent
	Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue	Technyl - Dark blue
Pins of the socket	Nickel-plated brass	-	-	
Pins of the terminal block	-	Brass	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	PVCA / PVCB	DVCA / DVCB	SVCA / SVCB

Rev. 01/00 - 26/10/10 · DISIBEINT reserves the right to modify the specifications stated in this document without previous notice