



PACA / PACB DACA / DACB SACA / SACB



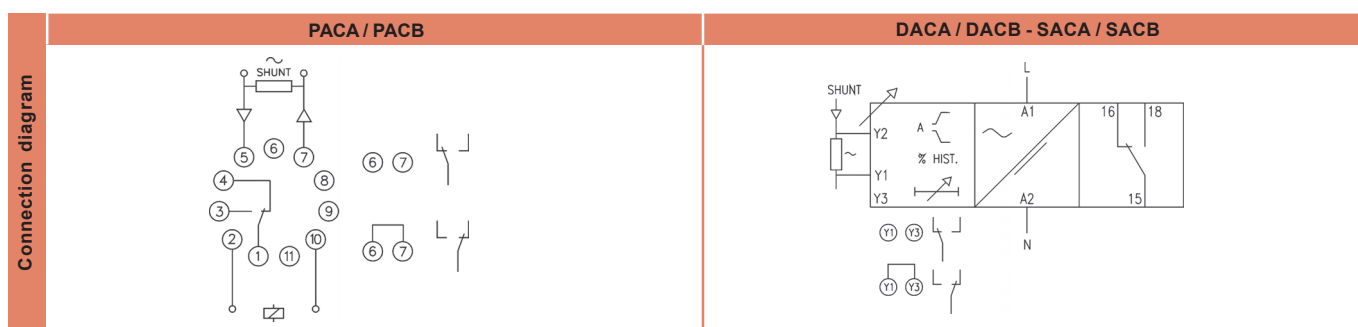
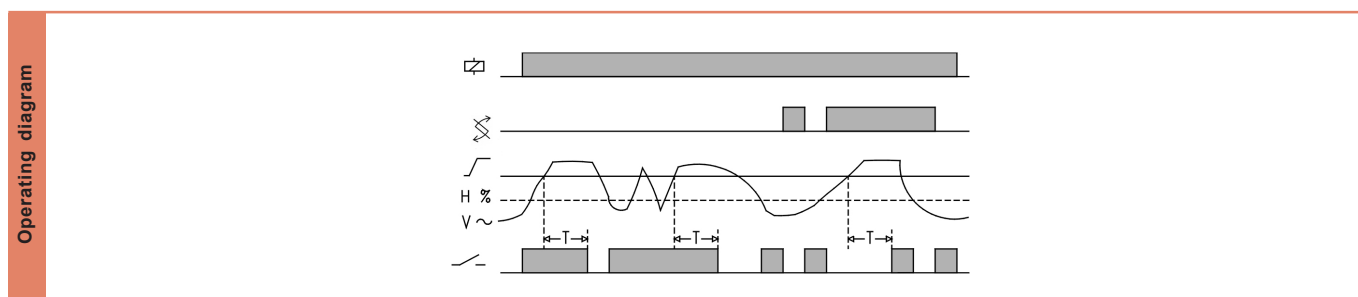
CURRENT RELAY



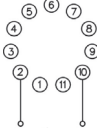
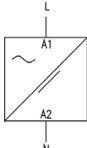
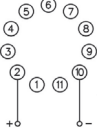
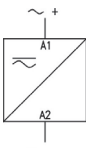
Difference	Relay for maximum or minimum current. Measurement through an external shunt.
Measurement	Detection in AC single phase.
Operating principle	<p>Maximum current - Selector in “” oposition. When the supply voltage is connected, if the measure current is less than the pre-set value, the relay operates instantaneously. When the measure current exceeds the pre-set value, the relay releases after the time pre-set in the time control, and remains so until the measure current goes below the value pre-set in the hysteresis control. When supply voltage is connected, if the measure current exceeds the pre-set value, the relay operates instantaneously and remains som for a time equal to the one adjusted in the time control and releases afterwards.</p> <p>Minimum current - Selector in “” position. When the supply voltage is connected, if the measure current is greater than the pre-set value, the relay operates instantaneously. When the measure current goes below the value pre-set in the hysteresis control, the relay releases after the time pre-set in the time contol, and remains so until the current exceeds the pre-set value. When the supply voltage is connected, if the measure current is less than the value pre-set in the hysteresis control, the relay operates instantaneously and remains so for a time equal than the one one pre-set in the time control. If whithin this interval of time the measure current exceeds the pre-set value, the relay remains operated.</p>
Leds indication	Power on: Green Relays on: Red
Relay Inversion	By linking the terminals 6-7 (PACA/B) or Y1-Y3 (DACA/B) the relay reverses its state.
Hysteresis	Adjustable between 3 and 30%
Timing	Delay on detection adjustable from 0 to 30 Sec.

Reference	HOUSING		FUNCTION		OUTPUT		VOLTAGE		RANGES		
	P D S	Plug inn DIN rail Flush mounting	A C	Current relay	A B	SPDT DPDT	024	24 VAC	V05 V06 V10 V15	RANGE	I máx.
							110	110..125 VAC			
							230	220..240 VAC			
							400	380..415 VAC			550 mV
							440	440 VAC			560 mV
							901	15..70 VAC/DC			600 mV
							902	60..240 VAC/DC			650 mV

To compose the reference, select one option of each column. Example: **PACA 024 1MA**



		PACA	PACB	DACA	DACB	SACA	SACB	
Output relays	Resistive load	AC	10 A / 250 V	8 A / 250 V	10 A / 250 V	8 A / 250 V	10 A / 250 V	8 A / 250 V
		DC	0,4 A / 200 V 10 A / 24 V	0,25 A / 200 V 8 A / 24 V	0,4 A / 200 V 10 A / 24 V	0,25 A / 200 V 8 A / 24 V	0,4 A / 200 V 10 A / 24 V	0,25 A / 200 V 8 A / 24 V
	Inductive load	AC	5 A / 250 V	2,5 A / 250 V	5 A / 250 V	2,5 A / 250 V	5 A / 250 V	2,5 A / 250 V
		DC	5 A / 24 V	4 A / 24 V	5 A / 24 V	4 A / 24 V	5 A / 24 V	4 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	CA		ACDC	
	PACA/PACB	DACA/B-SACA/B	PACA/PACB	DACA/B-SACA/B
				
	Galvanic isolation		No	
	Frequency		-	
	Operating margins		± 10%	
	Protected polarity		Yes	

Constructive and enviromental data	PACA / PACB	DACA / DACB	SACA / SACB
	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	PACA / PACB	DACA / DACB	SACA / SACB

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