PNCA / PNCB DNCA / DNCB

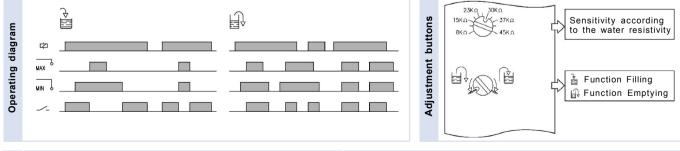


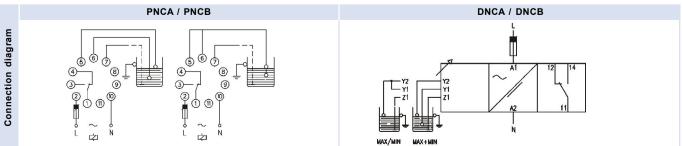


Field of application	· Suitable for DC supply voltage. Filling or emptying control.
Operating principle FILLING	Max. and Min. control. The relay operates when the liquid level is below the minimum electrode (6:PNCA/B; Y1:DNCA/B)) and releases when the liquid level is above the maximum electrode (5:PNCA/B; Y2:DNCA/B). Max. or Min. control. The relay operates when the liquid level is below the electrode (5-6:PNCA/B; Y1/Y2:DNCA/B) and releases when the liquid level is above the electrode (5-6:PNCA/B; Y1/Y2:DNCA/B).
Operating principle EMPTYING	
Leds indication	Power on: Green · Relay on: Red
Sensitivity ranges	Adjustable from 845KΩ
Probes line	3,2mA rms (in shortcircuit) to 6,2VCA (V _{PEAK})
Probes connection cables	
Connection of the common electrode	If the tank is not conductive, an additional probe must be fitted for connecting the common electrode, terminal 7(PNCA) or Z1 (DNCA/B).
Probes cable length	< 100 mts.

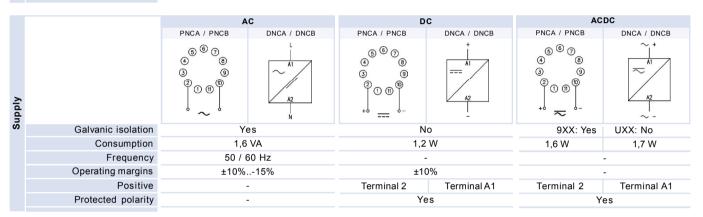
	HOUSING	FUNCTION	OUTPUT SUPPLY		IPUT SUPPLY RANGE		RANGE	
Reference	P Plug-inD DIN rail	NC Level control with DC supply	A B	SPDT DPDT	724 024 048 110 230 400 901	12 VDC 24 VDC 24 VAC 48 VAC 110125 VAC 220230 VAC 380415 VAC 1570 VAC/DC 60240 VAC/DC	45K	8ΚΩ45 ΚΩ

To compose the reference, select one option of each column. Example: PNCA 724 45K



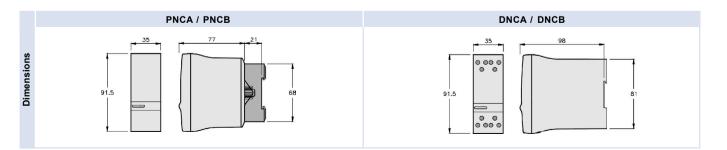


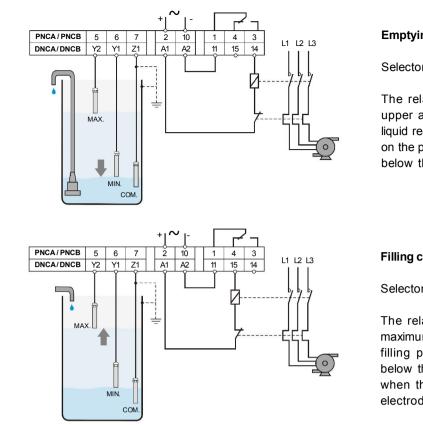
			PNCA	PNCB	DNCA	DNCB	
		AC	10 A / 250 V	8 A / 250 V	10 A / 250 V	8 A / 250 V	
	Resistive load	DC	0,4 A / 200 V	0,25 A / 200 V	0,4 A / 200 V	0,25 A / 200 V	
s			10 A / 24 V	8 A / 24 V	10 A / 24 V	8 A / 24 V	
Output relays	Inductive load	AC	5 A / 250 V	2,5 A / 250 V	5 A / 250 V	2,5 A / 250 V	
tre		DC	5 A / 24 V	4 A / 24 V	5 A / 24 V	4 A / 24 V	
ťpu	Mechanical life		> 30 x 10 ⁶	operations	> 30 x 10 ⁶ operations		
Out	Max. switching rate, mech.		72.000 opera	ations / hour	72.000 operations / hour		
	Electrical life at full load		360 operat	ions / 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		5000 VAC		
	Distance coil/contact			mm	10 mm		
	Isolation resistance		> 10	⁴ ΜΩ	> 10 ⁴ ΜΩ		



		PNCA / PNCB	DNCA / DNCB			
	Voltage phase-neutral	300 V	300 V			
	Overvoltage category	111	111			
	Rated impulse voltage	4 kV	4 kV			
ntal data	Pollution degree	2	3			
	Protection	IP 20 B	IP 20			
	Approximate weight	250 g	280 g			
me	Storage temperature	-50+85°C	-50+85°C			
iro	Operating temperature	-20+50°C	-20+50°C			
Constructive and anviromental	Humidity	3085% HR	3085% HR			
	Housing	Cycoloy - Light grey	Cycoloy - Light grey			
	Socket	Lexan - Light grey	-			
ţ	Visor leds	Lexan - Transparent	Lexan - Transparent			
ruc	Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue			
Const	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





Emptying control

Selector in position

The relay maintains the level between upper and lower electrodes. When the liquid reaches the top electrode is placed on the pump will stop when the liquid falls below the minimum electrode.

₩

Filling control

Selector in position



The relay maintains the level between maximum and minimum electrodes. The filling pump starts when the liquid is below the minimum electrode and stop when the liquid reaches the maximum electrode.

LEVEL SENSORS FOR CONDUCTIVE LIQUIDS

· Compact and electrode holder exclusive use electrodes in conductive liquids. Control points are used to separate or combined level including wells and reservoirs of different height.

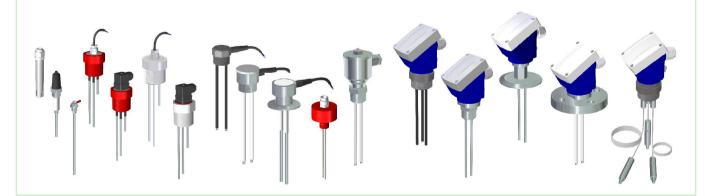
· They need to connect to a level relay for conductive liquids.

· The number of electrodes is determined by the chosen relay function.

Follow these links for:

Further information on the level sensors

Know the installation conditions of the conductive level relays



Rev. 05/00 · 03/02/16 · DISIBEINT reserves the right to modify the specifications stated in this document without previous notice



T: +34 934 330 370 F: +34 934 354 532