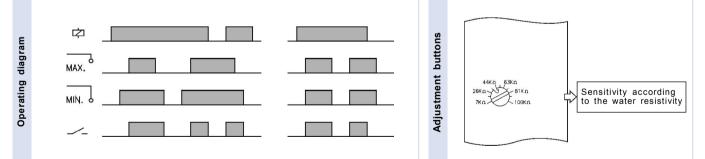
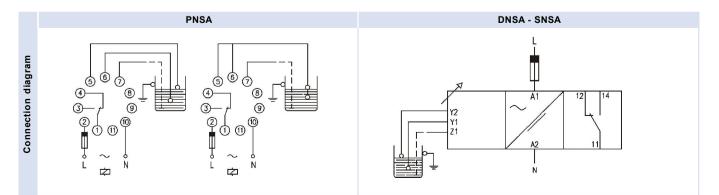
		TROL RELAY UCTIVE LIQUIDS					
	Difference	<ul> <li>Level control relay for conductive liquids.</li> <li>Suitable for the more common applications.</li> </ul>					
	Operating principle						
	Leds indication	Power on: Green Relay on: Red					
	Sensitivity						
	Volt./Cur. in probes line	24 VAC / 4 mA (in shortcircuit)					
	Usually 12,5 mm <sup>2</sup> section cables are used, with good insulation and without shielding. In						
	cables some installations (when the supply and probe lines are parallel in the same tube and with distances) shielded cable is recommended. The isolation resistance between cables and gromust be at least 200 KΩ. The screen is connected to ground.						
	Connection of the If the tank is not conductive, an additional probe must be fitted for connecting the con						
	common electrode	etrode electrode, terminal 7(PNSA) or Z1 (DNSA-SNSA).					
	Probes cable length	I					
	Accessories	Electrodes type: NS, NR 43650, NRA 43650, NR, NRA, NT, NRP, NP, NRT2. Separators: NR.SEP, NRA.SEP Attachment nuts: NR.TUE/P, NR.TUE/T Overvoltage protector: PS-3					

		HOUSING		FUNCTION		OUTPUT		SUPPLY		RANGE
Reference	P D S	Plug-in DIN rail Flush mounting	NS	Level control relay	A	SPDT	048 110	24 VAC 48 VAC 110125 VAC 220240 VAC 380415 VAC	100	10100ΚΩ

To compose the reference, select one option of each column. Example:  $\ensuremath{\text{PNSA}}$  400 100

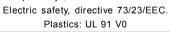


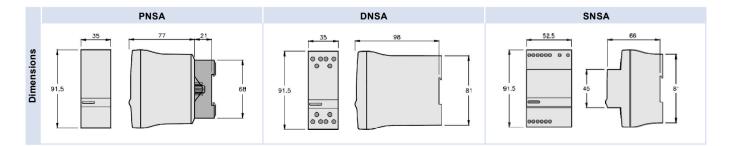


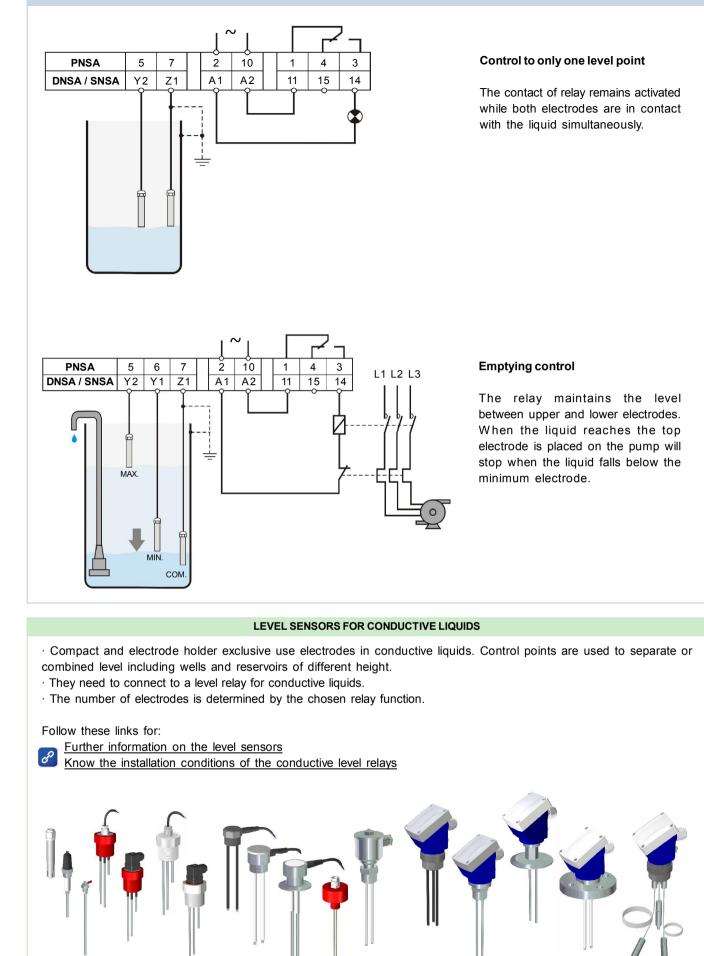
					2/3	
			PNSA	DNSA	SNSA	
		AC	8 A / 250 V	8 A / 250 V	8 A / 250 V	
	Resistive load	DC	0,25 A / 200 V	0,25 A / 200 V	0,25 A / 200 V	
iys		DC	8 A / 24 V	8 A / 24 V	8 A / 24 V	
Output relays	Inductive load	AC	2,5 A / 250 V	2,5 A / 250 V	2,5 A / 250 V	
Ē	muuctive loau	DC	4 A / 24 V	4 A / 24 V	4 A / 24 V	
utp	Mechanical life		> 30 x 10 <sup>6</sup> operations	> 30 x 10 <sup>6</sup> operations	> 30 x 10 <sup>6</sup> operations	
ō	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		> 10⁴ MΩ	> 10 <sup>4</sup> MΩ	> 10 <sup>4</sup> MΩ	

		A	C	
		PNSA	DNSA/SNSA	
Supply			L A1 A2 N	
S	Galvanic isolation	Y	es	
	Consumption	1,7 W		
	Frequency	50 / 60 Hz		
	Operating margins	-15+10%		
	Positive		-	
	Protected polarity		-	

	PNSA		DNSA	SNSA		
	Voltage phase-neutral	300 V	300 V	300 V		
	Overvoltage category	111	111	111		
	Rated impulse voltage	4 kV	4 kV	4 kV		
data	Pollution degree	2	3	2		
_	Protection	IP 20 B	IP 20	IP 20		
iromenta	Approximate weight	250 g	280 g	270 g		
me	Storage temperature	-50+85°C	-50+85°C	-50°C+85°C		
iro	Operating temperature	-20+50°C	-20+50°C	-20°C+50°C		
anv	Humidity	3085% HR	3085% HR	3085% HR		
jd å	Housing	Cycoloy - Light grey	Cycoloy - Light grey	Cycoloy - Light grey		
ear	Socket	Lexan - Light grey	-	-		
ţ	Visor leds	Visor leds Lexan - Transparent		Lexan - Transparent		
tructiv	Button, terminal block, clip	utton, terminal block, clip Technyl - Dark blue		Technyl - Dark blue		
onst	Pins of the socket	Nickel-plated brass	-	-		
ŝ	Pins of the terminal block	-	Brass	Brass		
	Approvals	Designed and manufactured under EEC standards. Electromagnetic compatibility, directives 89/366/EEC and 92/31/EEC.				







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