

PSAS / PSAT DSAS / DSAT

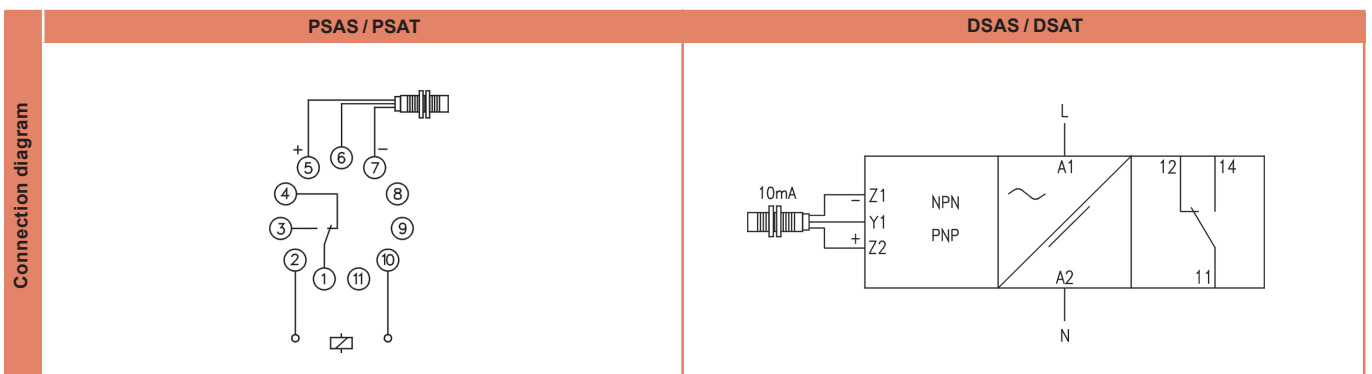
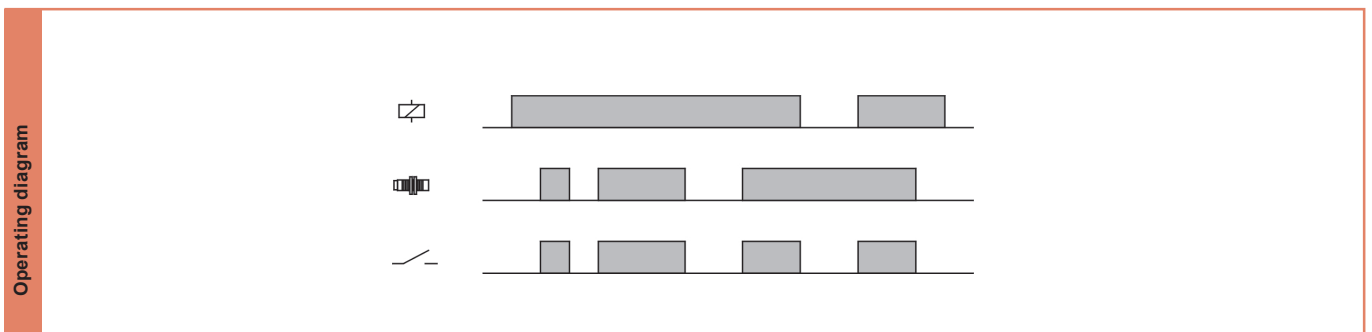


AMPLIFIER FOR THREE-WIRES SENSORS

Difference	Amplifier for three-wires sensors
Operating principle	The relay operates when the input is activated. The relay releases when the input is deactivated.
Leds indication	Power on: Green Relay on: Red
Sensor type	Three-wires, NPN or PNP, selectable through rotary switch.
Sensor supply	+24 VDC - Terminal 5 (PSAS/T) or Z2 (DSAS/T)
Negative	Terminal 7 (PSAS/T) or Z1 (DSAS/T)
Signal input	Terminal 6 (PSAS/T) or Y1 (DSAS/T)
Shortcircuit current	< 5 mA
Pulse cadence	10 imp/s, maximum
Pulse lenght	20 ms., minimum

	HOUSING	FUNCTION	OUTPUT	VOLTAGE
Reference	P Plug-in	SA Sensors amplifier relays	S SPDT T DPDT	U24 24 VAC/DC
	D DIN rail			724 24 VDC
				024 24 VAC
				110 110..125 VAC
				230 220..240 VAC
				400 380..415 VAC
				440 440 VAC
				901 15..70 VAC/DC
				902 60..240 VAC/DC

To compose the reference, select one option of each column. Example: **PSAS 724**



		PSAS	PSAT	DSAS	DSAT	
Output relays						
	Resistive load	AC	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
	Inductive load	AC	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
	Mechanical life		> 30 x 10 ⁶ operations		> 30 x 10 ⁶ 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 ⁴ MΩ		> 10 ⁴ MΩ		

Supply	AC		DC		ACDC			
	PSAS / PSAT	DSAS / DSAT	PSAS / PSAT	DSAS / DSAT	PSAS / PSAT	DSAS / DSAT		
	Galvanic isolation		Yes		No		Yes	
	Frequency		50 / 60 Hz		-		-	
	Operating margins		±10% -15%		±10%		-	
	Protected polarity		-		Terminal 2 Terminal A1		Terminal 2 Terminal A1	
		-		Yes		Yes		

Constructive and environmental data	PSAS / PSAT	DSAS / DSAT	
	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	Cyclopol - Light grey	Cyclopol - 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	PSAS / PSAT	DSAS / DSAT

Rev. 00 - 14/07/05 - DISIBEINT reserves the right to modify the specifications stated in this document without previous notice