

PSBS / PSBT DSBS / DSBT

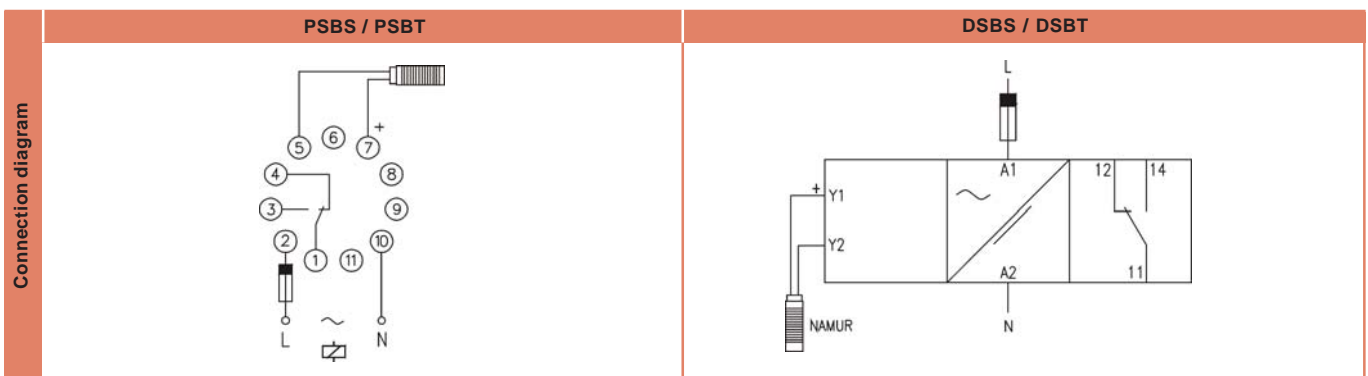
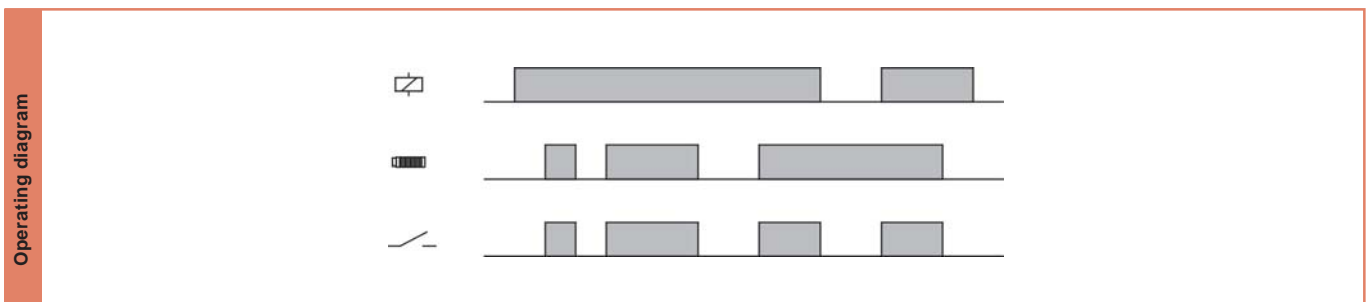


AMPLIFIER FOR NAMUR SENSORS

Difference	Amplifier for Namur 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	Namur.
Sensor supply	+8 VDC - Terminal 7 (PSAS/T) or Y1(DSBS/T)
Signal input	Terminal 5 (PSBS/T) or Y2 (DSBS/T)
Shortcircuit current	< 8 mA
Pulse cadence (Max.)	10 imp/s
Pulse lenght (Min:)	20 ms.

	HOUSING	FUNCTION	OUTPUT	VOLTAGE
Reference	P Plug-in	S B Sensors amplifier relays	S 1 SPDT T 2 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: **PSBS 400**



		PSBS	PSBT	DSBS	DSBT	
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			
	PSBS / PSBT	DSBS / DSBT	PSBS / PSBT	DSBS / DSBT	PSBS / PSBT	DSBS / DSBT		
	Galvanic isolation		Yes		No		Yes	
	Frequency		50 / 60 Hz		-		-	
	Operating margins		±10% -15%		±10%		-	
	Protected polarity		-		Terminal 2		Terminal A1	
		-		Yes		Yes		

Constructive and environmental data	PSBS / PSBT	DSBS / DSBT	
	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	Cycloley - Light grey	Cycloley - 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	PSBS / PSBT		DSBS / DSBT	

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