

PSCS / PSCT DSCS / DSCT

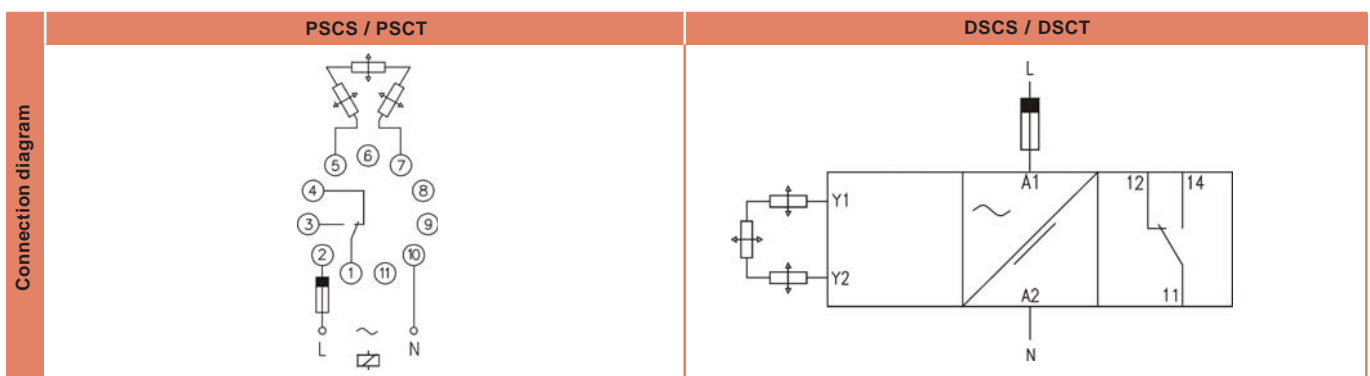
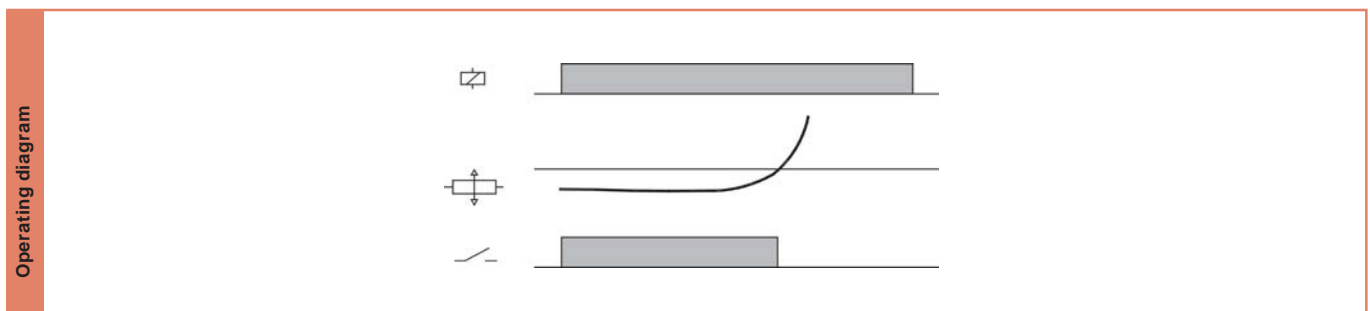


PTC AMPLIFIER

Difference	Amplifier for PTC thermistors.
Operating principle	When the supply voltage is connected, if the temperature stood by the PTC sensors inside the winding is less than its nominal reaction value, the relay operates instantaneously. The relay releases when the temperature exceeds the mentioned reation value. If the cable breaks down, the relay releases.
Sensors in series	Several sensors can be connected in serial mode, being the maximum value of the series less than 1500 Ω at 20°C.
Tolerance	Overall tolerance: ± 7 °C.
Leds indication	Power on: Green Relay on: Red
Sensor type	PTC thermistor
Negative	Terminal 6 (PSCS/T) or Y1 (DSCS/T)
Signal input	Terminal 5-7 (PSCS/T) or Y1-Y2 (DSCS/T)

	HOUSING	FUNCTION	OUTPUT	VOLTAGE
Reference	P Plug-in	SC 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: **PSCS 902**



		PSCS	PSCT	DSCS	DSCT	
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			
	PSCS / PSCT	DSCS / DSCT	PSCS / PSCT	DSCS / DSCT	PSCS / PSCT	DSCS / DSCT		
	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	PSCS / PSCT	DSCS / DSCT	
	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	PSCS / PSCT		DSCS / DSCT	

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