

# PTFS / PTFT DTFS / DTFT

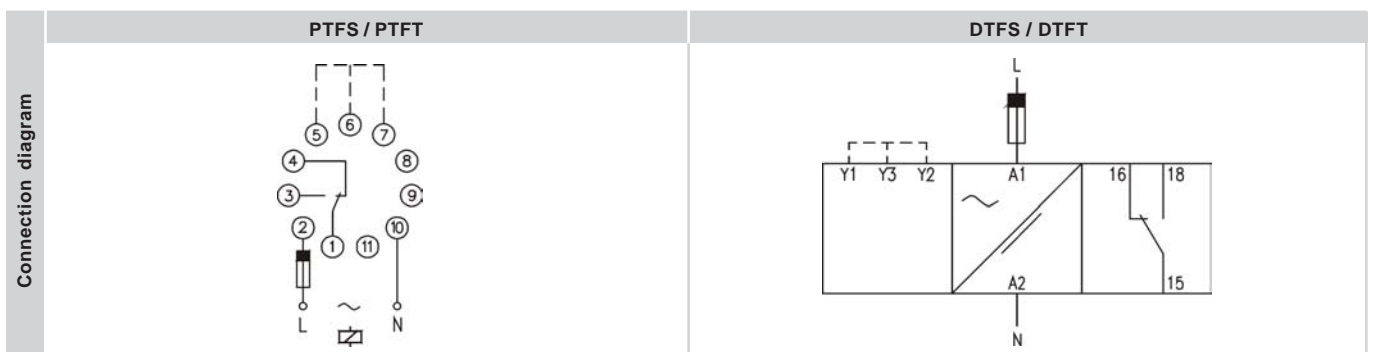
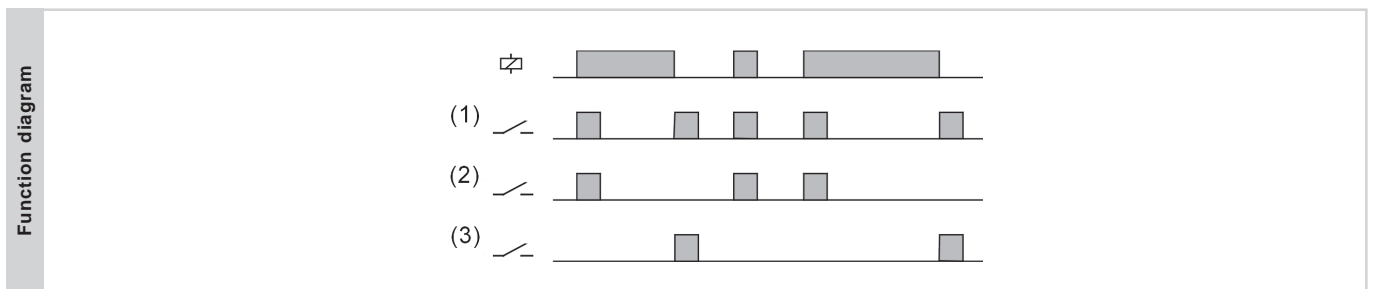


## ONE SHOOT RELAY

Function	One shoot relay.
Difference	Monofunction - Monorange - Monovoltage
Operating principle	It allows three operation modes, according to the external links: <u>Mode 1 - No Bridges:</u> The relay makes a momentum of 0.5 s. both connected as to disconnect the supply voltage. <u>Mode 2 - Bridge 5-6 (PTFS/T) or Y2-Y3 (DTFS / T):</u> The relay makes a momentum of 0.5 s. to connect the supply voltage. <u>Mode 3 - Bridge 6-7 (PTFS/T) or Y1-Y3 (DTFS/T):</u> The relay makes a momentum of 0.5 s. by disconnecting the power supply.
Operating condition	The minimum time during which the supply voltage must be applied is 1 sec. ±20%.
Leds indicadication	Power on: Green Relay on: Red
Repeating precision	± 1%
Precision	± 2%
Reset	By disconnecting the supply for longer than 60 ms.

Reference	HOUSING	FUNCTION	OUTPUT	SUPPLY
	P Plug-in D DIN rail	TF One shoot relay	S SPDT T DPDT	<b>U24</b> 24 VAC/DC <b>724</b> 24 VDC <b>024</b> 24 VAC <b>110</b> 110..125 VAC <b>230</b> 220..240 VAC <b>400</b> 380..415 VAC <b>440</b> 440 VAC <b>901</b> 15..70 VAC/DC <b>902</b> 60..240 VAC/DC

To compose the reference, select one option of each column. Example: **PTFS 230**



		PTFS	PTFT	DTFS	DTFT	
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 <sup>6</sup> operations		> 30 x 10 <sup>6</sup> 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 <sup>4</sup> MΩ		> 10 <sup>4</sup> MΩ		

	AC		DC		ACDC	
	PTFS / PTFT	DTFS / DTFT	PTFS / PTFT	DTFS / DTFT	PTFS / PTFT	DTFS / DTFT
Galvanic isolation	No		No		9XX: Yes	UXX: No
Consumption	1,6 VA		1,2 W		1,6 W	1,7 W
Frequency	50/60 Hz		-		-	
Operating margins	± 15%		± 10%		-	
Positive	-		Terminal 2	Terminal A1	Terminal 2	Terminal A1
Protected polarity	-		Yes		Yes	

Constructive and environmental data	PTFS / PTFT	DTFS / DTFT	
	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..+85°C	-50..+85°C
	Operating temperature	-20..+50°C	-20..+50°C
	Humidity	30..85% HR	30..85% HR
	Housing	Cycoloy - Light grey	Cycoloy - 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	Latón niquelado	-
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	PTFS / PTFT	DTFS / DTFT

Rev. 02/00 - 16/11/11 - DISIBEINT reserves the right to modify the specifications stated in this document without previous notice