

PTFS / PTFT DTFS / DTFT

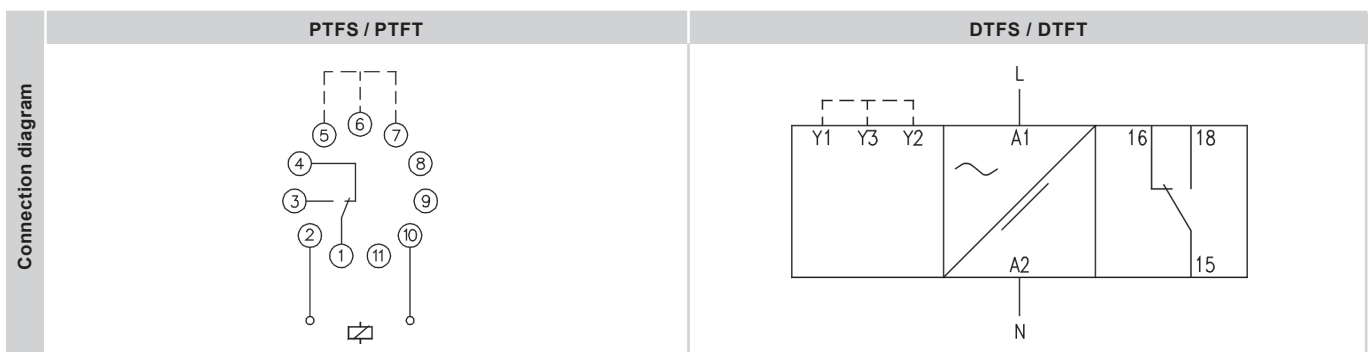
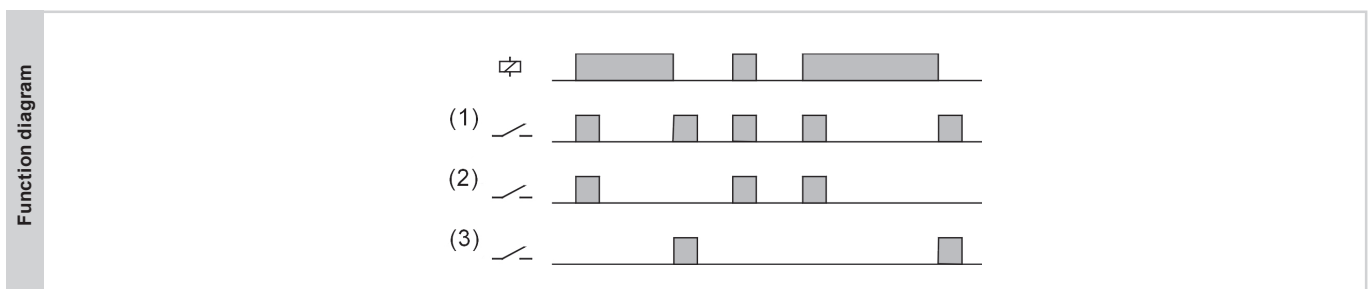


ONE SHOOT RELAY

Function	One shoot relay.
Difference	Monofunction - Monorange - Monovoltage
Operating principle	It allows three operation modes, according to the external links: <u>Mode 1 - No links:</u> The relay makes a 0,5 seconds pulse when the supply voltage is connected and when it is disconnected. <u>Mode 2 - Link 5-6 (PTFS/T) or Y2-Y3 (DTFS/T):</u> The relay makes a 0,5 seconds pulse when the supply voltage is connected. <u>Mode 3 - Link 6-7 (PTFS/T) or Y1-Y3 (DTFS/T):</u> The relay makes a 0,5 seconds pulse when the supply voltage is disconnected.
Operating condition	The minimum time during which the supply voltage must be applied is 1 sec. $\pm 20\%$.
Leds indicadication	Power on: Green Relay on: Red
Repeating precision	$\pm 1\%$
Precision	$\pm 2\%$
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	U24 24 VAC/DC 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: **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 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	
	PTFS / PTFT	DTFS / DTFT	PTFS / PTFT	DTFS / DTFT	PTFS / PTFT	DTFS / DTFT
Galvanic isolation	No		No		9XX: Yes ~ UXX: No	
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°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	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

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