

# Clock-pulse generator time delay relay

## MFT IT14S



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- **2 functions**
- **Zoomvoltage:**  
**12 ... 240 Vac/dc**
- **1 output contact**

### Function

#### T Cycling timer

**TP** Cycling timer relay beginning on a pause

**TI** Cycling timer relay beginning on a pulse

### Time ranges

Adjustable 0,05 s ... 100 h

### Output relay

1 changer potential free 250 Vac / 8 A

### Indicators

Green LED ON: indication of supply voltage

Green LED flashes slowly: indication of time t1

Green LED flashes fast: indication of time t2

Yellow LED ON/OFF: indication of relay output

### Supply voltage

12 ... 240 Vac/dc -10% +10%

AC 48 ... 63 Hz, 100% duration of operation

### Reference data

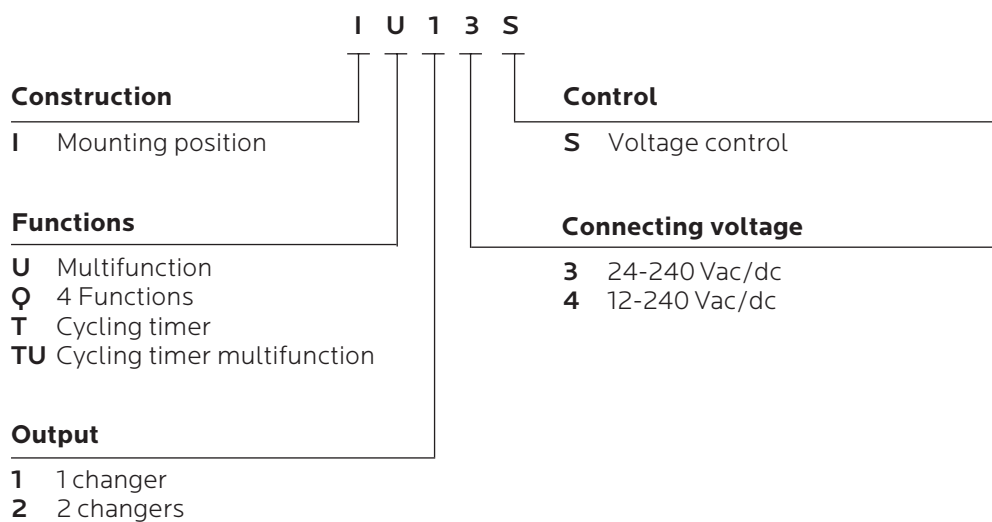
Selectron® MFT	Article no.
MFT IT14S	41130007
(Order data see chapter 1)	

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Technical data	
<b>Input circuit</b>	<b>MFT IT14S</b>
12 ... 240 Vac/dc	4 VA / 1,5 W
Residual ripple for dc	10%
Drop-out voltage	>30% of minimum rated supply voltage
<b>Control contact / Voltage controlled</b>	
Parallel switching of loads possible	
Input not potential free	terminals A1 - B1
Trigger level (sensitivity)	automatic adapted to supply voltage
Max. line length	10 m
Min. control pulse length	DC 50 ms / AC 100 ms
<b>Accuracy</b>	
Base accuracy	±1% of the scale limit
Repeatability of the scale limit	<0,5% or ±5 ms
Adjustment accuracy	<5% of the scale limit
Temperature influence	≤0,01% / °C
<b>Reaction times</b>	
Recovery time	100 ms

### Type key



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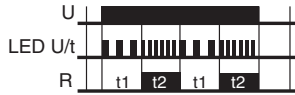
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## Function descriptions

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### TP - Cycling timer relay beginning on a pause

When the supply voltage  $U$  is applied, the set interval  $t_1$  begins (green LED  $U/t$  flashes slowly). After the interval  $t_1$

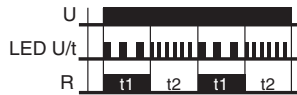


has expired, the output relay switches into on-position (yellow LED illuminated) and the set interval  $t_2$  begins (green LED  $U/t$  flashes fast). After the interval  $t_2$  has expired, the output relay switches into off-position (yellow LED not illuminated).

The output relay is triggered in the ratio of the two set intervals until the supply voltage is interrupted.

### TI - Cycling timer relay beginning on a pulse

When the supply voltage is applied, the output relay  $R$



switches into on-position (yellow LED illuminated) and the set interval  $t_1$  begins (green LED  $U/t$  flashes slowly). After the interval  $t_1$  has expired, the output relay switches into off-position (yellow LED not illuminated) and the set interval  $t_2$  begins (green LED  $U/t$  flashes fast). After the interval  $t_2$  has expired, the output relay switches into on-position again (yellow LED illuminated).

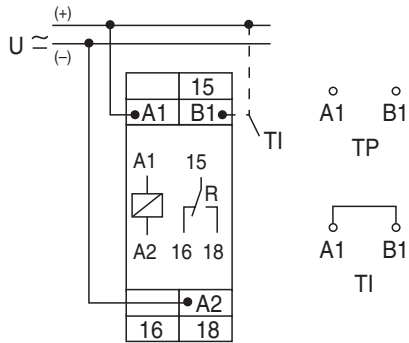
The output relay is triggered in the ratio of the two set intervals until the supply voltage is interrupted.

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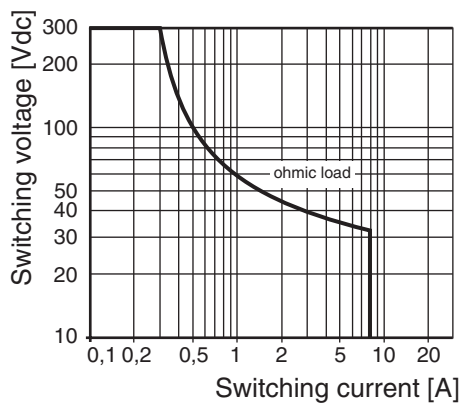
## Connection

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## Load limit curves

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## Dimensions

