

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

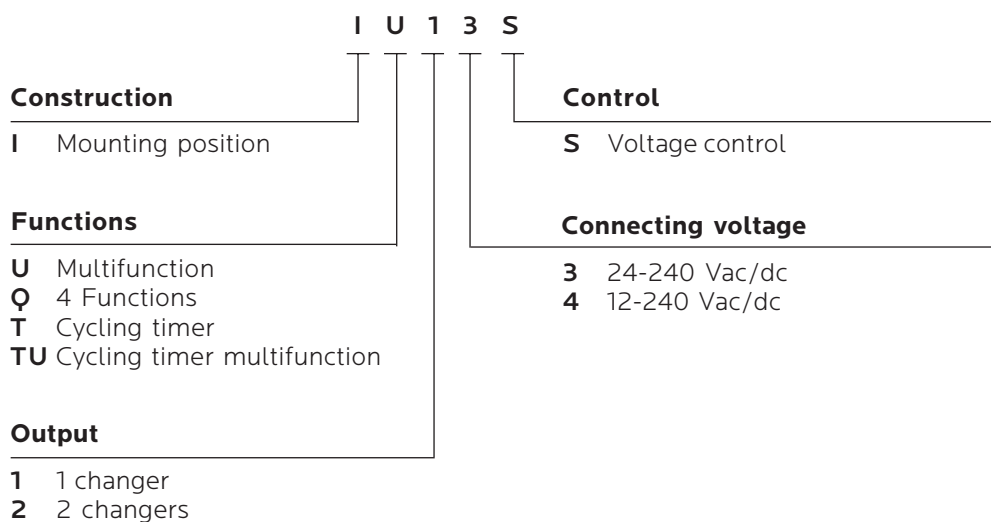
Selectron® MFT	Article no.
MFT IT14S	41130007
(Order data see chapter 1)	

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Technical data	
Input circuit	MFT IT14S
12 ... 240 Vac/dc	4 VA / 1,5 W
Residual ripple for dc	10%
Drop-out voltage	>30% of minimum rated supply voltage
Control contact / Voltage controlled	
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
Accuracy	
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
Reaction times	
Recovery time	100 ms

Type key



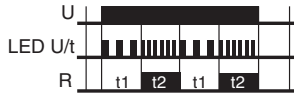
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Function descriptions

TP - Cycling timer relay beginning on a pause

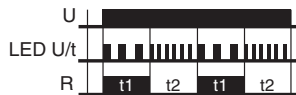
When the supply voltage U is applied, the set interval t_1 begins (green LED U/t flashes slowly). After the interval t_1 has



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



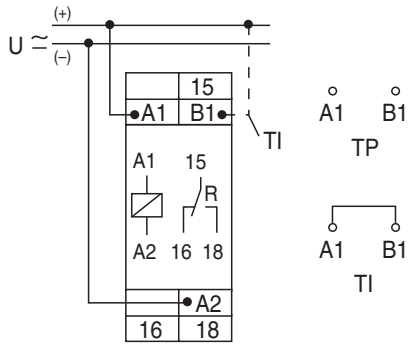
interval t_1 begins (green LED U/t flashes slowly). After the interval t_1 has expired, the output relay switches into off-position (yellow LED not illuminated) and the set interval t_2 begins (green LED U/t flashes fast). After the interval t_2 has expired, the output relay switches into on-position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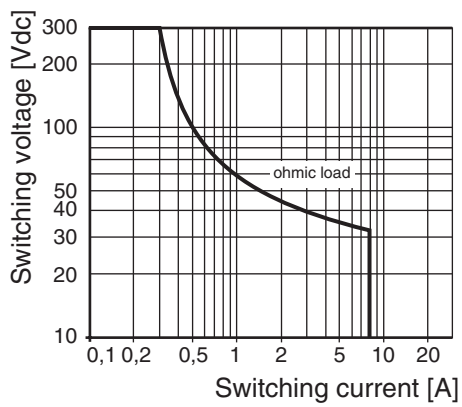
Connection

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Load limit curves

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Dimensions

