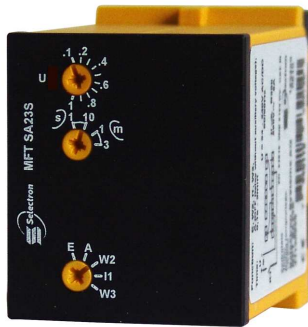# Delay off without supply voltage
MFT SA23S

MFT SA23S

- **5 Function, 4 time ranges**
- **Multivoltage:**
  24 ... 240 VAC/DC
- **2 Output contacts**

Functions

E	On delay
A	Off delay without auxiliary voltage
W2	Wiping on trailing edge voltage control (non-resetting on voltage failure)
I1	Pulse limitation timer voltage control (non-resetting on voltage failure)
W3	Wiping on leading and trailing edge voltage control (non-resetting on voltage failure)

Time end ranges

Adjustable 0,1 s ... 3 min.

Output relay

2 changers potential free
250 VAC / 8 A

Indicators

Green LED ON: indication of supply voltage

Connecting voltage

24 ... 240 VAC/DC, ac: -15% +10%, dc: -10% +10%
48 ... 63 Hz, 100% duration of operation, IEC class 1c

Reference data

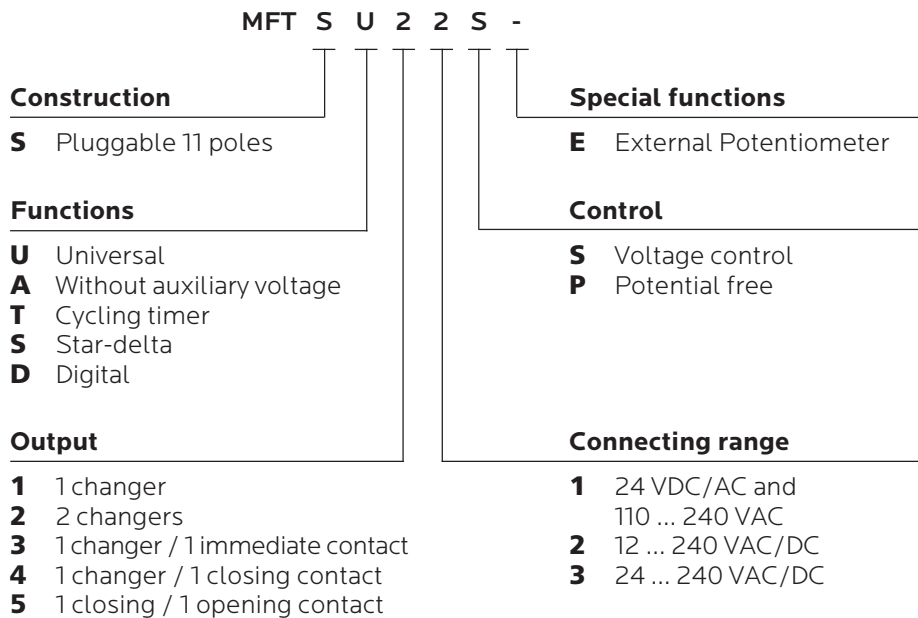| Selectron® MFT	Article no.
MFT SA23S	41140008
(Order data see chapter 1)	

Note:

After transport the output relay maybe in any position.
The correct operation will be given after the first cycle.

Delay off without supply voltage
MFT SA23S

Technical data			ESG
Nominal consumption			
	AC	1 VA / 0.5 W	
	DC	0.7 VA /0.7 W	
Accuracy			
	Base accuracy	± 1% of scale limit	
		≤ 10% for time range 1s	
	Repetition accuracy	1% or 100 ms	
	Adjustment accuracy	< 5% of scale limit	
	Temperature influence	≤ 0,02% / °C	
Reaction time			
	Recovery time	100 ms	

Type key

MFT S U 2 2 S -

Construction

S Pluggable 11 poles

Functions

U Universal
A Without auxiliary voltage
T Cycling timer
S Star-delta
D Digital

Output

1 1 changer
2 2 changers
3 1 changer / 1 immediate contact
4 1 changer / 1 closing contact
5 1 closing / 1 opening contact

Special functions

E External Potentiometer

Control

S Voltage control
P Potential free

Connecting range

1 24 VDC/AC and
110 ... 240 VAC
2 12 ... 240 VAC/DC
3 24 ... 240 VAC/DC

Delay off without supply voltage
MFT SA23S

Function descriptions

E - On delay

Activation by Us via K1. When K1 closes, the set interval t begins (green LED U illuminated).

After the interval t has elapsed, the output relay picks up and remains in the working position until K1 is opened again. Interrupting Us during the interval t causes a reset.

A - Off delay

Activation by Us via K1. The output relay picks up after K1 closes. If K1 is opened again, the set interval t begins (green LED U not illuminated).

After the interval t has elapsed, the output relay drops back out to its rest position. Operating K1 during the interval t causes a time reset.

I1 - Pulse limitation timer voltage control

Activation by Us via K1. When K1 closes, the output relay picks up immediately and the set interval t begins (green LED U illuminated).

After the interval t has elapsed, the output relay drops back out to its rest position. This condition is maintained until Us is interrupted. Interrupting Us before the interval t has elapsed means that the output relay remains picked up until the interval t has fully elapsed.

W2 - Wiping on trailing edge voltage control

Activation by Us via K1. The output relay remains dropped out after K1 closes. As soon as K1 is opened, the output relay picks up and the set interval t begins (green LED U not illuminated).

After the interval t has elapsed, the output relay drops out. Closing K1 before the interval t has elapsed means that the

output relay remains picked up until the interval t has fully elapsed.

W3 - Wiping on leading and trailing edge voltage control

Activation by Us via K1. When K1 closes, the output relay picks up and the set interval t begins (green LED U lilluminated).

After the interval t has elapsed, the output relay drops out. As soon as K1 is opened, the output relay picks up and the set interval t begins (green LED U not illuminated).

After the interval t has elapsed, the output relay drops out. Interrupting or re-applying Us before the interval t has elapsed means that the output relay remains picked up until the interval t has fully elapsed.
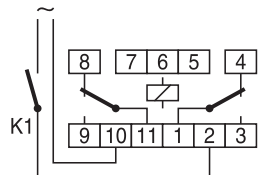
Delay off without supply voltage

MFT SA23S

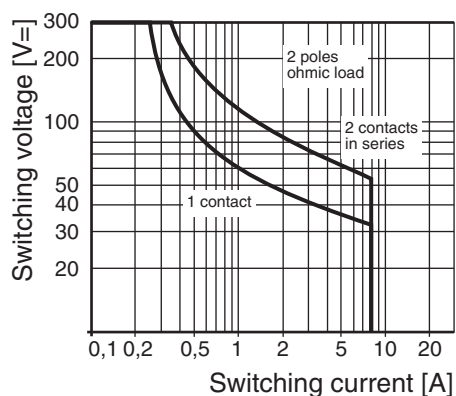### Connection

MFT SA23S

24 ... 240 VAC/DC

```
8  7 6 5  4

9 10 11 1 2 3
```

K1

Load limit curve

MFT SA23S

Switching voltage [V=]

300
200

100

50
40
30

20

2 poles
ohmic load

2 contacts
in series

1 contact

0,1 0,2   0,5   1   2   5   10   20

Switching current [A]

Dimensions

51

38

13   20   47

80