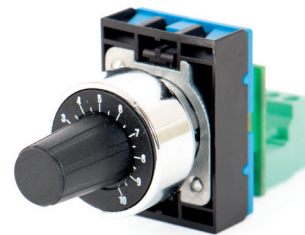


**SP-01**

**Potentiometer | 100 kΩ | 1 MΩ | 0.2 W**

**General data**

Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Conductor cross section	2.5 mm <sup>2</sup>
Nominal screw torque	0.5 Nm
Module width	fig. 1
Weight	85 g
Protection degree	IP 65

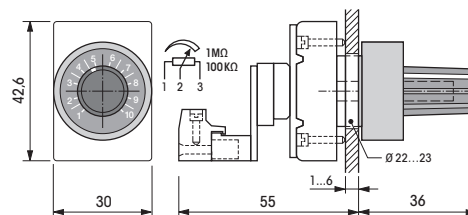


**Product references**

Types	Product reference	100k	1M
Potentiometer	SP-01/	✓	✓

"..." list resistance to complete product references.

**fig. 1. Dimensions (mm)**



## Delay functions

**E On delay**

S ⇒ R on with delay  
S<sub>OFF</sub> ⇒ R off

**A Off delay**

S ⇒ R on  
S<sub>OFF</sub> ⇒ R off with delay

**F On and off delay**

S ⇒ R on with delay (t1)  
S<sub>OFF</sub> ⇒ R off with delay (t2)

## Shot timing modes

**W One shot leading edge**

S ⇒ R on for t  
S<sub>OFF</sub> ⇒ R off  
(pulse clipping)

**N One shot trailing edge**

S<sub>OFF</sub> ⇒ R on for t  
S on for t ⇒ R off

**Q One shot leading and trailing edge**

S ⇒ R on for t1  
S<sub>OFF</sub> ⇒ R on for t2  
S<sub>OFF</sub> off for t1 ⇒ R off

## Puls shaping

**K Puls shaping**

S (pulse or continuous contact) ⇒ R on for t  
S<sub>---</sub> no influence on R and t

**L Pulse shaping, retrigger (subsequ.time operation from 0)**

S (pulse or continuous contact) ⇒ R on for t  
S on for t = t<sub>RESET</sub>

**M Puls shaping**

S<sub>OFF</sub> ⇒ R on for t  
S<sub>---</sub> no influence on R and t

## Blinker functions

**B Blinker, pulse start**

S ⇒ R on/off periodically according to t  
S<sub>OFF</sub> ⇒ R off

**B1 Blinker, pulse start, trailing pulse**

S ⇒ R on/off periodically according to t  
S<sub>OFF</sub>: last pulse = t

**B2 Blinker, interval start**

S ⇒ R after t on/off periodically according to t  
S<sub>OFF</sub> ⇒ R off

## Delayed pulse

**G On delay single shot**

S (pulse or continuous contact) ⇒ R after t1 on for t2  
S<sub>---</sub> no influence on R and t

**H On delay single shot**

S ⇒ R after t1 on for t2  
S<sub>OFF</sub> ⇒ R off

## Repeat cycle timer

**I Repeat cycle timer, pulse start**

S ⇒ R on/off periodically according to t1 and t2  
S<sub>OFF</sub> ⇒ R off

**P Repeat cycle timer, interval start** C55, CT1:  $\frac{t_2}{t_1}$

S ⇒ R after t1 (t2) on/off periodically according to t2 and t1  
S<sub>OFF</sub> ⇒ R off

## Special functions

**Y Star-delta timer**

S ⇒ R on for t  
R<sub>OFF</sub> ⇒ Δ on with delay for t-Δ  
S<sub>OFF</sub> ⇒ Δ off

**X1 Restart delay**

S ⇒ R on  
S<sub>OFF</sub> ⇒ R off and starts t  
S ⇒ R restart only after t

## Special functions

**S Step-on/Step-off switch**

S ⇒ R on/off

**LS Step-switching (staircase lighting timer), with time lapse**

S ⇒ R on and starts t  
S on for t ⇒ R off

## Stop/Reset

<b>tSTOP</b> SSTOP interrupts t (t-addition)	<b>T</b> t is stopped
<b>tRESET</b> SRESET reset t t restarts immediately	<b>T</b> Test

S = Triggering  
R = Output circuit  
⇒ = switches...



## Pulse sequence monitoring

**U**

S1/S2  
P (tp)  
R

**V**

S1/S2  
P (tp)  
R

S1/S2 = Monitoring start  
P = Pulse sequence  
tp = Pulse separation

≤: Pulse separation is **smaller** than the time tp  
>: Pulse separation is **larger** than the time tp

Start with S1 = **without** start-up short-out tA  
Start with S2 = start-up short-out tA

tv = settable alarm delay  
delay (tA = tv)

