

# ANALOGUE TIME SWITCHES

müller VS 1x.18 - paladin 11x 120



## Overview

- Daily program
- Slim format 17,5 mm
- Captive setting keys
- Manual override switch Permanent ON / Permanent OFF / AUTO

## Intended use

- The device fits for the particular use of the following tasks: Illumination of private and industrial areas, street and shop-window lightening, regulation of air conditioning, flushing, motors, pumps, plants and machinery as well as to simulate presence etc.
- Operate the device in a dry room only!
- The installation must be in accordance with the instruction manual.
- The device is not qualified for security relevant tasks such as emergency doors, fire protection equipment.

## Supply voltage versions

- 230 V, 50-60 Hz
- Other supply voltage versions on request

## Order numbers

■ müller	■ paladin	
VS 10.18	111 120	Day without reserve
VS 14.18	114 120	Day with reserve

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## Order information

	Voltage	EAN	Art. No.
<b>VS 10.18</b>	230 V 50-60 Hz	4022709218087	21808
<b>VS 14.18</b>	230 V 50-60 Hz	4022709218094	21809
<b>111 120</b>	230 V 50-60 Hz	4011732013202	01320
<b>114 120</b>	230 V 50-60 Hz	4011732013219	01321

Other supply voltage versions on request

## Technical data

Supply voltages	230 V, 50-60 Hz
Power consumption (real power)	0,4 W
Switch (potential-free)	Normally open, gap < 3mm ( $\mu$ )
Manual override switch	Permanent ON / Permanent OFF / AUTO
Contact material	AgSnO <sub>2</sub>
Switching capacity	
resistive load:	16 A / 250 V~ at $\cos\phi=1$
inductive load:	4 A / 250 V~ at $\cos\phi=0,6$
Min. switching power	1.000 mW (10 V / 10 mA)
Filament Lamp, Halogen Lamp	2.000 W
Fluorescent Lamp uncopensated	1.000 W
Fluorescent Lamp series compensated	750 W
LED (230 V~) > 5 W / CFL	200 W
Minimum switching interval	15 Min.
Time base	Quartz
Accuracy (at 23 °C)	$\leq \pm 1$ Sec./day
Power back-up (at 20 °C)	approx. 100 h
Permitted ambient temperature	-10...+50 °C
Housing	self-extinguishing thermoplastic
Dimensions	45 x 17,5 x 58 mm
Mounting	35 mm DIN-rail
Type of connection	Screw terminals
Type of protection	IP 20 to DIN EN 60529
Class of protection	II when installed according to regulations
Mode of operation (DIN EN 60730-1) (DIN EN 60730-2-7)	1 BSTU
Degree of contamination (DIN EN 60730-1)	2
Rated surge voltage (DIN EN 60730-1)	4 kV

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