



EE180

**IP20**

**Astronomical Timeswitch 1 Channel**

**Technical characteristics**

**Functions**

Number of function channels	1
Function	Keylock by means of blocking key

**Configuration**

Switch mode	change-over contact
Number of modules	2

**Controls and indicators**

Function of the pushbutton	yes
Indication / display	LC display with illumination

**Main electrical features**

Frequency	50/60 Hz
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**Voltage**

Operating voltage	230 V~ +/- 15%
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**Electric current**

Acceptable current rating with AC1	16 A
Max. power with cos phi 0.6	10 A
Switching current at cos φ = 0.6	max. 10 A

**Dimensions**

Depth of installed product	65 mm
Height of installed product	85 mm
Length	35 mm
Width of installed product	65 mm
Width of rail mounted device (RMD)	2 modules

**Frequency**

Frequency range	50...60 Hz
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**Power**

Max. power with fluo uncompensated lamps	1000 VA
Power consumed	6 VA
Incandescent bulb power	0 / 2300 W
Total power loss under IN	2 W
Loss power at full load	≈ 2 W
Power dissipation per coil	0.3 W

Max. Breaking capacity for parallel compensated fluorescent tubes	400 W
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Max. Breaking capacity for row-compensated fluorescent tubes	1000 W
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### Measurement

Running accuracy	± 1.5 s/day
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### Battery

Power reserve [years]	≈ 5 a
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Battery / storage battery	with lithium battery type: LS14250
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### Power supply

Supply voltage	230 V +/- 15%
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### Fluorescent bulbs control

Fluorescent lamps	max. 1000 VA
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Max. power with fluorescent parallel lamps	400 VA
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Max. power fluo. duo lamp comp. series	1000 W
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Fluorescent lamps parallel compensated	400 VA
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### Incandescent bulbs control

Max. power with incandescent lamps	2300 W
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230 V incandescent lamps and halogen lamps	max. 2300 W
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### Installation, mounting

Mounting type	din-Rail
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Installation mode	for mounting on DIN rail
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### Connection

Connection cross-sect. flexible conductor	1 / 6mm <sup>2</sup>
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Connection cross-sect. rigid cable	1,5 / 10mm <sup>2</sup>
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Conductor cross-section (flexible)	1...6 mm <sup>2</sup>
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Conductor cross-section (rigid)	1...6 mm <sup>2</sup>
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Number of contacts	1
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Type of contacts	1 changeover contact floating
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Type of connection	with screw terminals
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### Settings

Number of program steps	56
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Summer / Winter time change	automatic
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Shortest switching time	1 mn
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Programming	Programming possible without mains voltage
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Astro program	Yes
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Time	with automatic summer/winter time change-over
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### Equipment

Number of channels	1
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Number of switching times for on/off	56
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ON / OFF override	0
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Supply failure reserve	5 years
With cyclic program	Yes
With holidays program	No
With random program	No
<b>Use</b>	
Cycle	weekly
<b>Safety</b>	
Key	with programming key
<b>Use conditions</b>	
Operating temperature	-10...55 °C
Working accuracy	1,5
Storage/transport temperature	-20...60 °C