Astronomical Timeswitch 1C

EE180

Architecture

Fixing mode	Din-Rail
Technical version	Change-over contact, programme cycles: 1 x 7 days

Functions

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

Configuration

- change-over contact	

Controls and indicators

Function of the pushbutton	yes
- LC display with illumination	

Main electrical features

Frequency	50/60 Hz

Voltage

Operating voltage	230 V~ +/- 15%

Electric current

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

Power

Max. Breaking capacity for parallel compensated fluorescent tubes	400 W
Max. Breaking capacity for row-compensated fluorescent tubes	1000 W
Max. power with fluo uncompensated lamps	1000 VA
Power consumed	6 VA

Technical Properties

Incandescent bulb power	0/2300 W
Loss power at full load	~ 2 W
Total power loss under IN	2 W
Power dissipation per coil	0,3 W

Measurement

Running accuracy	± 1.5 s/day

Battery

Power reserve [years]	~ 5 a
- with lithium battery type: LS14250	

Power supply

Supply voltage	230 V +/- 15%

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

Fluorescent bulbs control

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

Incandescent bulbs control

230 V incandescent lamps and halogen lamps	max. 2300 W
Max. power with incandescent lamps	2300 W

Installation, mounting

Mounting type	din-Rail
- for mounting on DIN rail	

Connection

Conductor cross-section (flexible)	1 6 mm²
Conductor cross-section (rigid)	1 6 mm²
Connection cross-sect. rigid cable	1,5 / 10mm²
Connection cross-sect. flexible conductor	1 / 6mm²
Number of contacts	1
Type of contacts	1 changeover contact floating
- with screw terminals	

Settings

Summer / Winter time change	automatic
Shortest switching time	1 mn
Astronomic program	1
- with automatic summer/winter time change-over	
- Programming possible without mains voltage	

Equipment

Number of program steps	56
Number of switching times for on/off	56
Number of channels	1
Supply failure reserve	5 years

Use

Cycle	weekly

Safety

Protection index IP	IP20
- with programming key	

Use conditions

Operating temperature	-10 55 °C
Working accuracy	1,5
Storage temperature	-20 to 60 °C
Storage/transport temperature	-20 60 °C

Identification

Main design line	Light control