



EE180



IP20

## Astronomical Timeswitch 1 Channel

### Technical characteristics

#### Architecture

|             |          |
|-------------|----------|
| Fixing mode | Din-Rail |
|-------------|----------|

#### Functions

|                             |   |
|-----------------------------|---|
| Number of function channels | 1 |
|-----------------------------|---|

#### Configuration

|                   |   |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

#### Controls and indicators

|                            |     |
|----------------------------|-----|
| Function of the pushbutton | yes |
|----------------------------|-----|

#### 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 $\varphi$ = 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 |
|-----------------|------------|

#### 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                    |
| Max. Breaking capacity for row-compensated fluorescent tubes      | 1000 W                   |
| <b>Measurement</b>  |                          |
| Running accuracy  | ± 1.5 s/day              |
| <b>Battery</b>  |                          |
| Power reserve [years]   | ≈ 5 a                    |
| <b>Fluorescent bulbs control</b>                                  |                          |
| Max. power with fluorescent parallel lamps                        | 400 VA                   |
| Max. power fluo. duo lamp comp. series                            | 1000 W                   |
| Fluorescent lamps parallel compensated                            | 400 VA                   |
| <b>Incandescent bulbs control</b>                                 |                          |
| Max. power with incandescent lamps                                | 2300 W                   |
| 230 V incandescent lamps and halogen lamps                        | max. 2300 W              |
| <b>Installation, mounting</b>                                     |                          |
| Mounting type   | din-Rail                 |
| Installation mode   | for mounting on DIN rail |
| <b>Connection</b>   |                          |
| Conductor cross-section (flexible)                                | 1...6 mm <sup>2</sup>    |
| Conductor cross-section (rigid)                                   | 1...6 mm <sup>2</sup>    |
| Number of contacts  | 1                        |
| Type of connection  | with screw terminals     |
| <b>Settings</b>   |                          |
| Number of program steps   | 56                       |
| Summer / Winter time change                                       | automatic                |
| Shortest switching time   | 1 mn                     |
| Astro program   | Yes                      |
| <b>Equipment</b>  |                          |
| Number of channels  | 1                        |
| Number of switching times for on/off                              | 56                       |
| ON / OFF override   | 0                        |
| 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>   |                          |
| Protection index IP   | IP20                     |

**Use conditions**

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

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