

DATA SHEET: TIMON – TIMERS FOR STAIRCASE LIGHTING



SCHRACK-INFO

- Energy saving function
- Timerange 0,5 up to 30 Minutes
- Glow lamp load up to 100mA
- Low switching noise
- High switching capacity, 80A peak inrush current
- Automatic 3/4-wire detection
- Width 17.5 mm
- Installation design

FUNCTIONS

Electronic staircase lighting timer with 0,5 up to 30 minutes with energy save function. The control input allows the connection of pushbuttons with a total glow lamp load up to 100mA and enables the application in 3-or 4-wire circuits. A long keypress will switch off the light (energy saving function). The energy saving function can only be applied after a minimum control impulse time of 5 s.

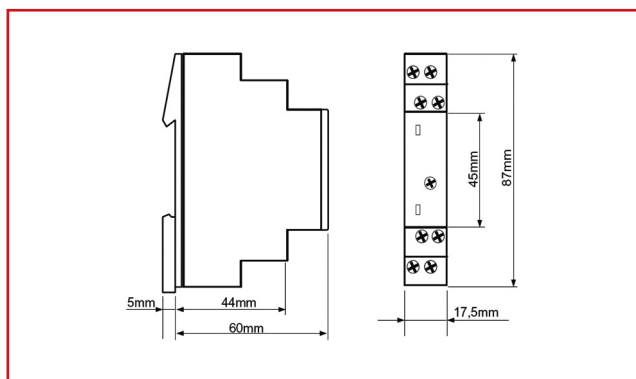
TECHNICAL DATA

TIME RANGE:	
Adjustment range	Time 0,5 - 30 min
INDICATORS:	
Green LED U ON	indication of supply voltage
Yellow LED ON/OFF	indication of relay output
MECHANICAL DESIGN:	
Self-extinguishing plastic housing	IP rating IP 40
Mounted on DIN-rail	TS 35 according to EN 60715
Mounting position	any
Shockproof terminal connection according to VBG 4 (PZ1 required)	IP rating IP20
Tightening torque	max. 1 Nm
Terminal capacity	1 x 0.5 to 2.5 mm ² with/without multicore cable end 1 x 4 mm ² without multicore cable end 2 x 0.5 to 1.5 mm ² with/without multicore cable end 2 x 2.5 mm ² flexible without multicore cable end
INPUT CIRCUIT:	
Supply voltage	terminals L - N
Nominal voltage	230 V AC
Tolerance	-15% to +10%
Rated consumption	2 VA (1,0 W)
Rated frequency	AC 48 to 63 Hz
Duty cycle	100%
Reset time	500 ms
Residual ripple for DC	-
Drop out voltage	>30%
Overvoltage category	III (according to IEC 60664-1)
Rated surge voltage	4kV

TECHNICAL DATA (CONTINUED)

OUTPUT:	
1 normally open contact	terminals L - 18
Rated voltage	250 V AC
Switching capacity (distance <5 mm)	10 A continuous current
Switching capacity (distance >5 mm)	16 A continuous current
Start-up peak (20 ms)	80 A
Mechanical life	30 x 10 ⁶ operations
Electrical life	Resistive load: 10 ⁵ operations at 16 A 250 V Lamp load: 80.000 operations at 1000 W 250 V
CONTROL INPUT B1:	
Connection not potential free	pushbutton B1-N (3-conductor circuit) pushbutton B1-L (4-conductor circuit)
Glow lamp load	max. 100 mA parallel to the pushbuttons
Overload protection	yes, electronic
ACCURACY:	
Base accuracy	±5% of maximum scale value
Adjustment accuracy	<15% of maximum scale value
Repetition accuracy	<2%
Temperature influence	≤1%
AMBIENT CONDITIONS:	
Ambient temperature	-25 to +55 °C
Storage temperature	-25 to +55 °C
Transport temperature	-25 to +55 °C
Relative humidity	15% to 85% (in accordance with IEC 60721-3-3 class 3K3)
Pollution degree	2, if built-in 3 (in accordance with IEC 60664-1)
WEIGHT:	80g

DIMENSIONS



DESCRIPTION	ORDER NO.
Timers for staircase lighting, TIMON 0,5-30 min. 10A electronic	BZ327210-A