## Modular devices, control units

## Timers for Staircase Lighting



BZ327350

## Timers for Staircase Lighting series TIMON



Schrack-Info

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- Energy saving function
- Time range 0.5 to 30 minutes

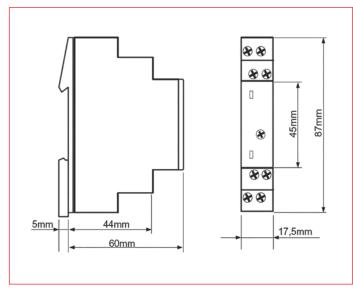
Staircase timers TIMON, VOWA, BZ

- Low switching noise
- High switching capacity, 80 A peak inrush power
- Automatic 3-/4-conductor detection
- Glow lamp load up to 100 mA
- Width 17.5 mm
- Installation design

### FEATURES

Electronic staircase lighting timer with restart function (complies with EN 60669-2-3). The control input allows the connection of pushbuttons with up to 100 mA glow lamp load and enables the application in 3- or 4-wire circuits. After an ON duration of about 5 seconds, a long keypress (>2 s) will switch off the unit (energy saving function).

#### Dimensions







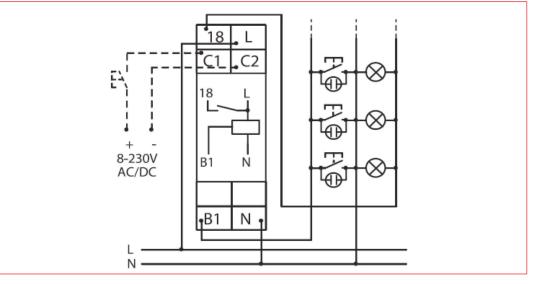
# Timers for Staircase Lighting series TIMON

Time ranges and standards: Delay	Adjustment range 0.5 - 30 min, with restart function (complies with EN 60669-2-3)	
Standards	EN 55011, EN 61000-6-2, EN 61812-1	
Indicators:		
Green LED ON	Indication of supply voltage	
Yellow LED ON/OFF	Position of output relay	
Input circuit:		
Supply voltage	Terminals L - N	
Nominal voltage	230V-AC	
Tolerance	- 15% to +10%	
Rated consumption	2VA (1,0W)	
Nominal frequency	48 up to 63 Hz	
Duty cycle	100%	
Reset time	after 500 ms	
Drop-out voltage	>30%	
•	III (according to IEC 60664-1)	
Overvoltage category Rated surge voltage 4 kV	4kV	
Output:	4ΚΥ	
1 normally open contact Terminals	L - 18	
Rated voltage	250V-AC	
	10 A continuous current	
Switching capacity (distance <5mm):	16 A continuous current	
Switching capacity (distance >5mm):		
Start-up peak (20 ms) Mechanical life	80 A 30 x 10° operations	
Mechanical life		
Electrical lite	Resistive load: 10 <sup>5</sup> operations at 16 A 250 V Lamp load: 80000 operations at 1000W 250V	
	Lamp load: 80000 operations at 1000vv 250v	
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	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 (complies with IEC 68-1)	
Relative humidity	15% to 85% (according to IEC 60721-3-3 class 3K3)	
Pollution degree	2, when built-in 3 (according to IEC 60664-1)	
Mechanical Design:		
Housing	Made of self-extinguishing plastic, IP rating IP40	
Mounting	on DIN rail TS 35 according to EN 60715	
Shockproof terminal connection according to VBG 4 (PZ1 required)	IP rating IP20	
Terminals:		
Terminal capacity	1 x 0.5 to 2.5 mm <sup>2</sup> with/without multicore cable end	
	2 x 0.5 to 1.5 mm <sup>2</sup> with/without multicore cable end	
	1 x 4 mm <sup>2</sup> without multicore cable end	
	2 x 2.5 mm <sup>2</sup> flexible without multicore cable end	
Tightening torque	Max 1 Nm	

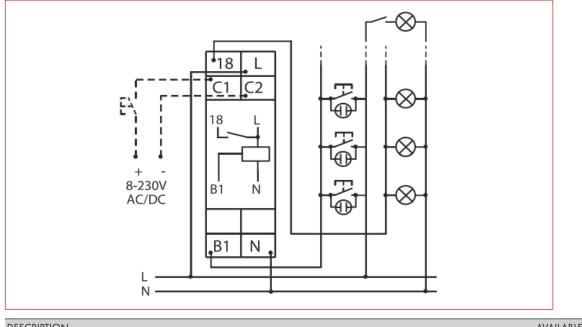




Wiring diagram 3-wire circuit



Wiring diagram 4-wire circuit



DESCRIPTION	AVAILABLE	ORDER NO.
Staircase Timer TIMON, 1-30min, 16A		BZ327210-A

