

# Phase-controlled pushdimmer IBDA 2000 for DIN rail cabinets



The ALTODIM 2000 is a plug-in module for DIN rail cabinets. If it receives EIB-telegrams it would control the connected load in a phase-control mode from 0 to maximum of the brightness.

The device is suitable for the control of incandescent lamps, wire-wound transformers and electrical motors between 60 and 2000 WNA. The total load of the connected devices may not exceed the maximum load of the dimmer. In any case also the power dissipation of the transformers (approximately 15-20%) and of motors as well as their power factor has to be considered.



Bestell-Nr.: 80.13.063

The load output has an electronic current limiting in case of an exceeding of the maximal temperature.

Additionally the control has an input for common pushbuttons (230 V ~). This input can be used as an independent EIB-push-sensor. Several pushbuttons can be operated in parallel.

## Description of the component functions as they are pre-adjusted in the data base:

After receipt of a „1“-telegram (object 0) the brightness jumps to that value which was set before the switch “OFF” function. A Status back indication would not be set.

The brightness can be dimmed via object 1 and 2 within a range of 0% and 100%. For this procedure the dimmer requires approx. 3,2 sec. If the dimmer is switched „OFF“ the switch „ON“ function applies if the command dimming brighter of object 1 as well as with a value of object 2 is switched “ON”. The pushbutton input of the dimmer is pre-adjusted for the 1-push-switch/dim function. At a short touch of the pushbutton (< 400 ms) switch commands are being send (object 3), while at a longer pressing of the pushbutton (> 400 ms) dimmer commands (object 4) are being sent.

At a voltage return the brightness goes to the same level as before the voltage failure and the pushbutton input is kept synchronous to this value.

## ETS – Search path

Product family : Lighting  
Product type : Dimmer  
Characterization : 1 – pushbutton – dimmer, version 1.4

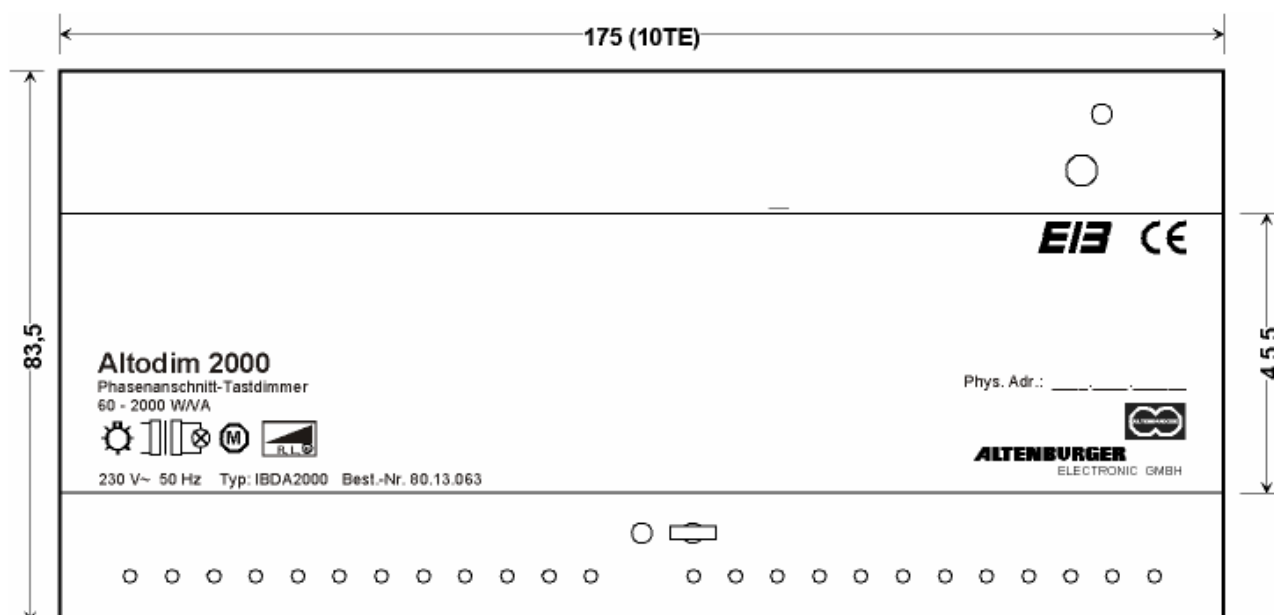
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## Technical data IBDA2000

Typ	:	IBDA2000
Order-No.	:	80.13.063
<b>EIB supply</b>		
Voltage	:	24V DC
Input	:	max. 230mW at 29 V DC
<b>External supply</b>		
Voltage	:	230V~ 50 Hz
Own consumption	:	<1,5% of the connected load
<b>Output</b>		
Load exit	:	max. 2000W/VA - electronic limiting when exceeding the maximum permissible temperature
Minimum load	:	60W
Noise	:	<30dB(A) at nominal load in a distance of 1m
Ambient temperature	:	0°C to +45°C, natural cooling at vertical mounting
Cross section of a line	:	0,5-2,5mm <sup>2</sup> , wire or litz wire with sleeve
Wire lenght	:	max. 100m for load and supply wires (1,5mm <sup>2</sup> )
Mounting	:	snap-on on DIN rails (10TE)
Dimension	:	(W x H x D) 175 x 83,5 x 58mm
Weight	:	approx. 500g
Protective type	:	IP20
Protective class	:	II (Protective isolation, at IEC 664, 10/92)
Demands	:	
	:	Low voltage fulfilled at IEC 669-2-1 11/94
Guarantee	:	24 month

## Measures:



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Wiring diagram:

