

# Product data sheet

## Electronic switch insert 1-channel



### Reference number

1704 ESE

### Electronic switch insert 1-channel

with satellite input

for covers ref.-

no.: .. 1700 .., .. 1701 .., .. 1750 D .., .. 1751 BT .., .. 17180 .., .. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..

for displays ref.-no.: .. 1790 D ..

### Intended use

- Operation with suitable cover of the LB Management

- Installation in flush box according to EN 60670-1

### Operation with neutral conductor:

- Switching of incandescent lamps, HV halogen lamps, electronic or inductive transformers with halogen or LED lamps, switchable or dimmable HV-LED or compact fluorescent lamps

### Operation without neutral conductor:

- Switching of incandescent lamps, HV halogen lamps, electronic or inductive transformers with halogen or LED lamps, dimmable HV-LED or compact fluorescent lamps

### Product characteristics

- Switch-on via bulb-preserving soft start

- Connection of satellite units possible

- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest

- Electronic over-temperature protection

- Test operation for functional test

### Operation with neutral conductor:

- Device is powered via phase conductor and neutral conductor, therefore there is no leading edge phase control or trailing edge phase control

### Operation without neutral conductor:

- Device is powered via the phase conductor and the connected load and therefore works in the leading edge phase control or trailing edge phase control principle

- Automatic or manual setting of the operating mode suitable for the load

- Display of the set operating mode by means of LED

### Covers:

Centre plate: .. 1700 .., .. 1701 ..

Universal timer Bluetooth: .. 1751 ..

Standard timer with display: .. 1750 D ..

Standard automatic switch 1.1 m: .. 17180 ..

Universal automatic switch 1.1 m: .. 17181 ..

Standard automatic switch 2.2 m: .. 17280 ..

Universal automatic switch 2.2 m: .. 17281 ..  
 Motion and presence detector: DWPM 17360 ..

**Technical data**

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.25 W
Power loss:	approx. 4 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 400 W
HV halogen lamps:	20 ... 400 W
Electronic transformers:	20 ... 400 W
Electronic transformers with LV LED:	20 ... 100 W
Inductive transformers:	20 ... 400 VA
Inductive transformers with LV LED:	20 ... 100 VA
HV LED lamps:	typical 3 ... 100 W
Compact fluorescent lamps:	typical 3 ... 100 W
When operating with neutral conductor or without neutral conductor in operating mode	
LED trailing edge phase control: Connection power for HV LED lamps typ. 3 ... 200 W, electronic transformers with LV LED typ. 20 ... 200 W.	
Ohmic-capacitive:	20 ... 400 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 400 VA
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Operation without neutral conductor in operating mode R,L,C,LED: Ohmic-inductive mixed load: maximum 50 % proportion of ohmic load. Otherwise incorrect calibration of the dimmer may result.	
Operation without neutral conductor: Minimum load 50 W. Does not apply to loads with HV LED and compact fluorescent lamps.	
When using LED lamps that are not dimmable the neutral conductor must be connected.	
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	5
Push-buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m