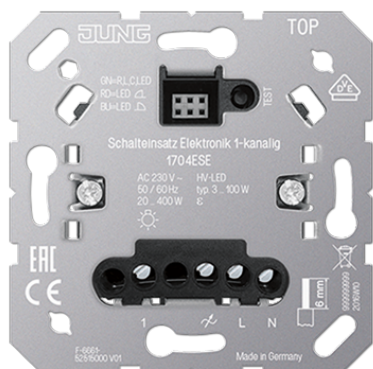


Product data sheet

Electronic switch insert, 1-channel



Reference number

1704 ESE

Electronic switch insert, 1-channel

with satellite input

for covers JUNG HOME ref.-no.: BT .. 17101 .., BT .. 17102 .., BT .. 17181 .., BT .. 17182 .., BT .. 1791 .., BT 17361 ..

for covers eNet ref.-no.: FM .. 1700 .., FM .. 1701 ..

for covers LB Management ref.-

no.: .. 1700 .., .. 1750 D .., .. 17180 .., .. 17280 .., .. 1790 D ..

for covers KNX RF ref.-no.: .. 1091 1ST RF .., .. 1092 1ST RF ..

Intended use

- Operation with suitable cover
- Installation in flush box with dimensions according to DIN 49073

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 line 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 line 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

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 ² 2 x 0.5 ... 2.5 mm ²
stranded without ferrule:	1 x 0.5 ... 4.0 mm ² 2 x 0.5 ... 2.5 mm ²
stranded with ferrule:	1 x 0.5 ... 4.0 mm ² 2 x 0.5 ... 1.5 mm ²
Number of valve drives:	1 ... 10
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	5
Push-buttons:	unlimited
Total length of satellite cable:	max. 100 m
Total length power cable:	max. 100 m