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System 3000 universal LED dimming insert Komfort, 2-gang



Specification	Order No.	Packing unit	GBP/piece without VAT	PS	EAN
	5402 00	1/5	160.40	02	4010337063827

Features

- Two independent outputs for two light groups.
- Switching and dimming light bulbs, HV halogen lamps, electronic transformers for halogen or LED lights, dimmable inductive transformers for halogen or LED lights, HV LED or compact fluorescent lamps.
- Connecting auxiliary units is possible.
- Both outputs can be operated separately with a System 3000 3-wire auxiliary insert in combination with a System 3000 operating top unit 2-gang.
- Automatic or manual setting of dimming principle according to load (leading or trailing edge).
- Display of the selected operating mode using LED.
- Switch-on function that preserves the life of the lamp.
- Switch-on brightness can be saved permanently.
- Switch on with the last brightness set, or a saved switch-on brightness.
- Minimum brightness can be set.
- Electronic short-circuit protection.
- Electronic excess-temperature protection.
- Operation with or without a neutral conductor connection.
- Pushbutton dimmer.

Combination with RF Multi operating top unit, 1-gang / 2-gang for KNX

- Sensor channel, 1-gang or 2-gang.
- Local control of System 3000 insert possible.
- Wireless control of other devices for KNX possible as a sensor.
- Insert function selection:Dimming behaviour and dimming characteristics can be set, soft-on and soft-off function, fading function, staircase light function with switch-off pre-warning, scene function (16 scenes), disable function, time delays.Auxiliary input can be used as an additional operating point for the System 3000 insert or for wireless control of other KNX devices as a sensor.
- Maximum brightness can be set (from index I03).

Technical data

Rated voltage:	AC 230 V, 50/60 Hz
Standby:	0.1 to 0.5 W
Connected load at 25 °C per output - HV LED lamps (leading edge):	typically 3 to 50 W

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- HV LED lamps (trailing edge):	typically 3 to 100 W
- Compact fluorescent lamp:	typically 3 to 50 W
- Light bulbs:	20 to 210 W
- HV halogen lamps:	20 to 210 W
- Tronic transformers:	20 to 210 W
- Electronic transformer with LV LED (leading edge):	typically 20 to 50 W
- Electronic transformer with LV LED (trailing edge):	typically 20 to 100 W
- Wound electronic transformer:	20 to 210 VA
- Wound transformer with NV-LED:	typically 20 to 50 VA

Auxiliary units	
- Non-illuminated mechanical push buttons:	unlimited
- 2-wire auxiliary insert:	unlimited
- 3-wire auxiliary insert:	max. 10

Cable length	
- Load:	Max. 100 m
- Auxiliary unit:	Max. 100 m

Installation depth:	30 mm
Installation:	in device box in accordance with DIN 49073
Ambient temperature:	-5 °C to +45 °C

Notes

- In principle, it is possible to operate the dimmer without connecting the neutral conductor, but some LED and CFLi light sources make the neutral conductor connection necessary to avoid flickering.
- Operation without a neutral conductor increases the minimum load for light bulbs, HV halogen lamps, Tronic transformers and wound transformers to 50 W.
- Electronic transformers and ballast devices for LED lamps can be operated with the dimming procedure specified by the manufacturer.
- If the ambient temperature is higher than 25 °C, the connected load must be reduced.
