



TYA661B



Dimmer 1 channel 600W

Technical characteristics

Architecture

Bus system yes

Functions

Bus module detachable No

Multi-phase mode suitable to switch different external conductors

Function Learning function for optimised operation of compact fluorescent lamps and LED luminaires can be activated via the bus

Soft startup bulb-preserving soft startup

Configuration

Number of modules 4

Controls and indicators

With LED indication Yes

Indicator lamp yes

Operation manual operation also possible without bus, e.g. on building site ; Manual operation can be activated via selection switch, thereby deactivation of the KNX function ; Manual operation per channel via button with integrated status LED, thereby lockout of KNX function

Indication / display status LED integrated in the manual operation button

Manual selection switches / push-buttons selection switch for manual/bus operation as well as load setting

Button / push-button with illuminated programming button

Main electrical features

Frequency 50/60 Hz

Rated current 4 mA

Voltage

Auxiliary voltage 230 V AC

Input voltage 230 V AC

Operating voltage over bus 21...32 V DC

Electric current

Bus current consumption (data transfer) < 2.3 mA

Fuse

Fuse short-circuit proof and overload proof (display using LEDs) ; overheating protection (display using LEDs)

Dimensions

Width of rail mounted device (RMD)	4 modules
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Power

Dimmable conventional transformers	600 VA
Incandescent bulb power	600 W
Total power loss under IN	320 mW
Power dissipation per coil	180 mW
Electronic transformers	300 W

Power supply

Supply voltage	230 V AC
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Fluorescent bulbs control

Dimmable energy-saving lamps	120 W
Power lighting fluo lamps	120W

LED control

Quantity of dimmable, 230 V retrofit LED lamps	max. 10
Max number of LED/CFL lamps	10
Dimmable LED lamps	60 W
Dimmable 230 V retrofit LED lamps	per channel 60 W
Power LED	120 W

LED

Status LED integrated in manual operation button ;
Overheating protection, display using LEDs ;
Overload protection, display via LED

Incandescent bulbs control

230 V incandescent lamps and halogen lamps	600 W
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Connection

Connection cross-sect. flexible conductor	0,75 / 2,5mm ²
Connection cross-sect. rigid cable	0,75 / 2.5mm ²
Type of load	universal
Conductor cross-section (flexible)	0.75...2.5 mm ²
Conductor cross-section (rigid)	0.75...2.5 mm ²
Bus coupling unit	with integral bus coupling unit
Type of connection	with QuickConnect plug-in terminals
Bus connection	bus connection via connecting terminal
Type of connection	quick connect

Settings

Supported configuration modes	system
Parameterisation	parameter definable behaviour in the event of bus voltage failure/return

Scope of delivery

Bus connection included	Yes
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Equipment

Type of dimmer	dimming actuator
Modular expandability	No
Dimming principle	phase cut-on or cut-off according to load type, self-learning ; minimum/maximum dimming values per channel settable on device
low noise	very low noise
Use	
Local operation/hand operation	Yes
Safety	
Protection	with overheating, overload and short-circuit protection
Use conditions	
Operating temperature	-5...45 °C
Storage/transport temperature	-20...70 °C
Identification	
Device family	TYA
Main design line	KNX