



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**

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**

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

**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
<b>Use</b>	
Local operation/hand operation	Yes
<b>Safety</b>	
Protection	with overheating, overload and short-circuit protection
<b>Use conditions</b>	
Operating temperature	-5...45 °C
Storage/transport temperature	-20...70 °C
<b>Identification</b>	
Device family	TYA
Main design line	KNX