



TYA661A



## Dimmer 1 channel 300W

### Technical properties

#### 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 2.3 A

#### Voltage

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**

|                           |       |
|---------------------------|-------|
| Incandescent bulb power   | 300 W |
| Total power loss under IN | 4 W   |

**Fluorescent bulbs control**

|                           |     |
|---------------------------|-----|
| Power lighting fluo lamps | 60W |
|---------------------------|-----|

**LED control**

|                             |      |
|-----------------------------|------|
| Max number of LED/CFL lamps | 8    |
| Power LED                   | 60 W |

|     |  |
|-----|--|
| LED | Status LED integrated in manual operation button ;<br>Overheating protection, display using LEDs ; Over-<br>load protection, display via LED |
|-----|--|

**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 |
| Type of connection                        | quick connect                          |

**Settings**

|                               |   |
|-------------------------------|---|
| Supported configuration modes | system  |
| Parameterisation              | parameter definable behaviour in the event of bus<br>voltage failure/return |

**Scope of delivery**

|                         |     |
|-------------------------|-----|
| Bus connection included | Yes |
|-------------------------|-----|

**Equipment**

|                       |  |
|-----------------------|--|
| Type of dimmer        | universal  |
| Modular expandability | No   |
| Dimming principle     | phase cut-on or cut-off according to load type, self-<br>learning ; minimum/maximum dimming values per<br>channel settable on device |
| low noise             | very low noise   |

**Use**

|                                |     |
|--------------------------------|-----|
| Local operation/hand operation | Yes |
|--------------------------------|-----|

**Safety**

|            |  |
|------------|--|
| Protection | with overheating, overload and short-circuit protec-<br>tion |
|------------|--|

**Use conditions**

|                               |             |
|-------------------------------|-------------|
| Operating temperature         | -5...45 °C  |
| Storage/transport temperature | -20...70 °C |

