



TYA661A



Dimmer 1 channel 300W

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 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 ;
Overheating protection, display using LEDs ;
Overload protection, display via LED

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 |
|-------------------------|-----|

Equipment

| | |
|-----------------------|---|
| Type of dimmer | universal |
| 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 |

