



## Dimmer 1 channel 300W

TYA661A

### Architecture

Bus system	yes
Fixing mode	Din-Rail

### Functions

- suitable to switch different external conductors
- Learning function for optimised operation of compact fluorescent lamps and LED luminaires can be activated via the bus
- bulb-preserving soft startup

### Controls and indicators

Indicator lamp	yes
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- 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
- with illuminated programming button
- status LED integrated in the manual operation button
- selection switch for manual/bus operation as well as load setting

### Main electrical features

Frequency	50/60 Hz
Rated current	2,3 A

### Voltage

Operating voltage over bus	21 32 V DC
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### Fuse

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

#### Power

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

#### Dimensions

Width of rail mounted device (RMD)	4 modules
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#### LED control

Lighting power LED lamps	60 W
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- Status LED integrated in manual operation button
- Overheating protection, display using LEDs
- Overload protection, display via LED

#### Connection

Conductor cross-section (flexible)	0,75 2,5 mm <sup>2</sup>
Conductor cross-section (rigid)	0,75 2,5 mm <sup>2</sup>
Connection cross-sect. rigid cable	0,75 / 2,5mm <sup>2</sup>
Connection cross-sect. flexible conductor	0,75 / 2,5mm <sup>2</sup>
Type of load	universal
Type of connection	quick connect

- with integral bus coupling unit
- with QuickConnect plug-in terminals
- bus connection via connecting terminal

#### Settings

- parameter definable behaviour in the event of bus voltage failure/return

#### Equipment

- phase cut-on or cut-off according to load type, self-learning
- minimum/maximum dimming values per channel settable on device
- very low noise

#### Use

Local operation/hand operation	yes
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#### Safety

Protection index IP	IP20
Halogen free	no

- with overheating, overload and short-circuit protection

#### Use conditions

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

#### Identification

Main design line	KNX
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