



TYA663A



**Dimmer 3 channels 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

Operating mode 1, 2 or 3-channel operation possible ; Load coupling of 2 or 3 channels settable to increase output power using selection switch

**Configuration**

Number of modules 6

**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) 6 modules

**Power**

Dimmable conventional transformers per channel 300 VA

Incandescent bulb power 900 W

Total power loss under IN 770 mW

Electronic transformers per channel 300 W

**Power supply**

Supply voltage 230 V

**Fluorescent bulbs control**

Dimmable energy-saving lamps per channel 60 W

Power lighting fluo lamps 210W

**LED control**

Quantity of dimmable, 230 V retrofit LED lamps per channel max. 8

Max number of LED/CFL lamps 15

Dimmable LED lamps per channel 60 W

Dimmable 230 V retrofit LED lamps per channel 60 W

Power LED 210 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 per channel 300 W

**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 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
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**Safety**

Protection	with overheating, overload and short-circuit protection
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**Use conditions**

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

**Identification**

Device family	TYA
Main design line	KNX