



TYA663A



Dimmer 3 channels 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

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 ; Over-
load protection, display via LED**Incandescent bulbs control**

230 V incandescent lamps and halogen lamps per channel 300 W

ConnectionConnection cross-sect. flexible conductor 0,75 / 2,5mm²Connection cross-sect. rigid cable 0,75 / 2.5mm²

Type of load universal

Conductor cross-section (flexible) 0.75...2.5 mm²Conductor cross-section (rigid) 0.75...2.5 mm²

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