



Dimmer 3 channels 300W

TYA663A

Architecture

Bus system	yes
Fixing mode	REG

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
- 1, 2 or 3-channel operation possible
- Load coupling of 2 or 3 channels setttable to increase output power using selection switch
- bulb-preserving soft startup

Controls and indicators

Indicator lamp	yes
- 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	4 mA

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	900 W
Total power loss under IN	770 mW
Electronic transformers	per channel 300 W

Power supply

Supply voltage	230 V
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Dimensions

Width of rail mounted device (RMD)	6 modules
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LED control

Lighting power LED lamps	210 W
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- 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
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Connection

Conductor cross-section (flexible)	0,75 2,5 mm ²
Conductor cross-section (rigid)	0,75 2,5 mm ²
Connection cross-sect. rigid cable	0,75 / 2.5mm ²
Connection cross-sect. flexible conductor	0,75 / 2,5mm ²
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

Device family	TYA
Main design line	KNX