



TYA663AN



Dimmer 3 channels 300W

Technical properties

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 3 channels to increase output power using parallel connection of the outputs

Configuration

Number of modules	6
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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
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Fuse

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

Subject to technical modifications

Width of rail mounted device (RMD)	6 modules
Power	
Dimmable conventional transformers	per channel 300 VA
Incandescent bulb power	900 W
Electronic transformers	per channel 300 W
Power supply	
Supply voltage	230 V AC
Fluorescent bulbs control	
Dimmable energy-saving lamps	per channel 60 W
Power lighting fluo lamps	210W
LED control	
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
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
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Use

Local operation/hand operation	Yes
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Safety

REACH conform	No
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RoHS conform	Yes
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Halogen free	No
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Protection	with overheating, overload and short-circuit protection
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Use conditions

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

Device family	TYA
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Main design line	KNX
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