



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 |
|-------------------|---|

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

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

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|---|--|
| 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

Use

| | |
|--------------------------------|-----|
| Local operation/hand operation | Yes |
|--------------------------------|-----|

Safety

| | |
|---------------|----|
| REACH conform | No |
|---------------|----|

| | |
|--------------|----|
| Halogen free | No |
|--------------|----|

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|------------|---|
| Protection | with overheating, overload and short-circuit protection |
|------------|---|

Use conditions

| | |
|-----------------------|------------|
| Operating temperature | -5...45 °C |
|-----------------------|------------|

| | |
|-------------------------------|-------------|
| Storage/transport temperature | -20...70 °C |
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Identification

| | |
|---------------|-----|
| Device family | TYA |
|---------------|-----|

| | |
|------------------|-----|
| Main design line | KNX |
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