



TYA610B



Output module 10x 10A /230V~, KNX

Technical properties

Functions

| | |
|------------------|---|
| Multi-phase mode | suitable to switch different external conductors |
| Function | with positioning function for blind and lamella position ; with safety functions e.g. for wind, rain, alarm ; with sun shade function |
| Switching | For switching, e.g. of 10 independent loads or activation of 5 drives |
| Operating mode | any combined operation from drive and switching functions possible |

Configuration

| | |
|-------------------|---|
| Number of modules | 6 |
|-------------------|---|

Controls and indicators

| | |
|--|--|
| Indicator lamp | yes |
| Operation | Manual operation can be activated via selection switch, thereby deactivation of the KNX function ; manual operation per channel using button (single-area operation) |
| Indication / display | status LED integrated in the manual operation button |
| Manual selection switches / push-buttons | manual operation buttons for on/off (up/down) and bus function on/off per channel/device |
| Button / push-button | with illuminated programming button |

Main electrical features

| | |
|---------------|------|
| Rated current | 10 A |
|---------------|------|

Voltage

| | |
|----------------------------|----------------|
| Operating voltage over bus | 21...32 V DC |
| Output voltage | 230 V~ |
| System supply voltage | 30V DC via bus |

Electric current

| | |
|---|-----------|
| Bus current consumption (data transfer) | 16 mA |
| Bus current consumption (idle) | 8 mA |
| Number of entry circuits | 0 |
| Maximum through current | 10 A |
| Switching current at $\cos \varphi = 0.8$ | max. 10 A |

Dimensions

| | |
|------------------------------------|-----------|
| Width of rail mounted device (RMD) | 6 modules |
| Height | 90 mm |
| Width | 105 mm |

Power

| | |
|-------------------------------------|---------|
| Max. power with electronic transfo. | 1000 W |
| Total power loss under IN | 0.7 W |
| Power dissipation per coil | 0.15 W |
| Output power | 1200 W |
| Conventional transformers | 1200 VA |
| Electronic transformers | 1000 W |

Lighting control

| | |
|--|-----------|
| Fluorescent lamps with electronical ballast (EB) | 15 x 36 W |
| - uncompensated | 1000 VA |

Fluorescent bulbs control

| | |
|--|-----------|
| Energy-saving lamps | 12 x 23 W |
| Power lighting fluo lamps | 12x23W |
| Max. power fluo. duo lamp comp. series | 15 x 36 W |

LED control

| | |
|-----------------------------|--|
| Max number of LED/CFL lamps | 12 |
| 230V LED lamps | 12 x 23 W |
| Power LED | 144 W |
| LED | Status LED integrated in manual operation button |

Incandescent bulbs control

| | |
|--|--------|
| Max. power with incandescent lamps | 1200 W |
| 230 V incandescent lamps | 1200 W |
| 230 V halogen lamps | 1200 W |
| 230 V incandescent lamps and halogen lamps | 1200 W |

Connection

| | |
|---|--|
| Connection cross-sect. flexible conductor | 0,75 / 2,5mm ² |
| Connection cross-sect. rigid cable | 0,75 / 2.5mm ² |
| Conductor cross-section (flexible) | 0.75...2.5 mm ² |
| Conductor cross-section (rigid) | 0.75...2.5 mm ² |
| Type of contacts | 10NO |
| 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 |
| Setting | switching time on change of direction adjustable |

Scope of delivery

| | |
|-------------------------|-----|
| Bus connection included | Yes |
|-------------------------|-----|

Equipment

Modular expandability No

Use

Differentiation characteristic 3 - Sales with plug-in terminals

Safety

REACH conform No

RoHS conform Yes

Halogen free No

Use conditions

Operating temperature -5...45 °C

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

Identification

Main design line KNX