



TYA610D



Output module 10x 16A (C)/230V~, KNX

Technical characteristics

Architecture

Bus system yes

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 operational voltage U_e 230 V

Rated current 16 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 16 A

Rated current 16 A

Dimensions

| | |
|------------------------------------|-----------|
| Depth | 65 mm |
| Width of rail mounted device (RMD) | 6 modules |
| Height | 90 mm |

Power

| | |
|-------------------------------------|---------|
| Max. power with electronic transfo. | 1200 W |
| Total power loss under IN | 1.5 W |
| Output power | 2300 W |
| Max. switching power | 14375 W |
| Conventional transformers | 1600 VA |
| Electronic transformers | 1200 W |

Lighting control

| | |
|--|-----------|
| Fluorescent lamps with electronical ballast (EB) | 20 x 36 W |
| - uncompensated | 1200 VA |

Fluorescent bulbs control

| | |
|--|----------------|
| Energy-saving lamps | 12 x 23 W |
| Power lighting fluo lamps | 18x23W |
| Max. power fluo. duo lamp comp. series | 20 x 36 W |
| Fluorescent lamps parallel compensated | 1500 W /200 µF |

LED control

| | |
|-----------------------------|--|
| Max number of LED/CFL lamps | 18 |
| 230V LED lamps | 18 x 23 W |
| Power LED | 216 W |
| LED | Status LED integrated in manual operation button |

Incandescent bulbs control

| | |
|--|--------|
| Max. power with incandescent lamps | 2300 W |
| 230 V incandescent lamps | 2300 W |
| 230 V halogen lamps | 2300 W |
| 230 V incandescent lamps and halogen lamps | 2300 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 | C-Load |
| 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 |

Settings

| | |
|-------------------------------|--------|
| Supported configuration modes | system |
|-------------------------------|--------|

Scope of delivery

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

Equipment

| | |
|-----------------------|----|
| Modular expandability | No |
|-----------------------|----|

| | |
|----------------|---|
| Potential-free | with potential-free NO contacts as well as NC contact parameterisable |
|----------------|---|

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

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

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