



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 <sup>2</sup>
Connection cross-sect. rigid cable	0,75 / 2.5mm <sup>2</sup>
Type of load	C-Load
Conductor cross-section (flexible)	0.75...2.5 mm <sup>2</sup>
Conductor cross-section (rigid)	0.75...2.5 mm <sup>2</sup>
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**

Subject to technical modifications

Supported configuration modes	system
Setting	switching time on change of direction adjustable
<b>Scope of delivery</b>	
Bus connection included	Yes
<b>Equipment</b>	
Modular expandability	No
Potential-free	with potential-free NO contacts as well as NC contact parameterisable
<b>Use</b>	
Differentiation characteristic 3 - Sales	with plug-in terminals
<b>Safety</b>	
REACH conform	No
RoHS conform	Yes
Halogen free	No
<b>Use conditions</b>	
Operating temperature	-5...45 °C
Storage/transport temperature	-20...70 °C
<b>Identification</b>	
Device family	TYA
Main design line	KNX