



TYA610D



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

Technical properties

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
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
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