



TYA610C



Output module 10x 16A /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 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

Switching current at $\cos \phi = 0.8$ max. 16 A

Dimensions

Depth	65 mm
Width of rail mounted device (RMD)	6 modules
Height	90 mm
Power	
Total power loss under IN	1.5 W
Power dissipation per coil	0.15 W
Output power	2300 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	18 x 23 W
Power lighting fluo lamps	18x23W
Max. power fluo. duo lamp comp. series	20 x 36 W
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
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
Setting	switching time on change of direction adjustable
Scope of delivery	
Bus connection included	Yes

Equipment

Modular expandability	No
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Potential-free	with potential-free NO contacts as well as NC contact parameterisable
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Use

Differentiation characteristic 3 - Sales	with plug-in terminals
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Safety

REACH conform	No
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RoHS conform	Yes
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Halogen free	No
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Use conditions

Operating temperature	-5...45 °C
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Storage/transport temperature	-20...70 °C
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Identification

Main design line	KNX
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