



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
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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
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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
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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