



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 electrical 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

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
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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
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