



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

TYA610D

### Architecture

Bus system	yes
Fixing mode	REG

### Functions

- suitable to switch different external conductors
- with positioning function for blind and lamella position
- with safety functions e.g. for wind, rain, alarm
- with sun shade function
- any combined operation from drive and switching functions possible
- For switching, e.g. of 10 independent loads or activation of 5 drives

### Controls and indicators

Indicator lamp	yes
----------------	-----

- Manual operation can be activated via selection switch, thereby deactivation of the KNX function
- manual operation per channel using button (single-area operation)
- with illuminated programming button
- status LED integrated in the manual operation button
- manual operation buttons for on/off (up/down) and bus function on/off per channel/device

### Main electrical features

Rated current	16 A
Rated operational voltage Ue	230 V

### Voltage

Operating voltage over bus	21 32 V DC
----------------------------	------------

### Electric current

Bus current consumption (idle)	~ 8 mA
--------------------------------	--------

#### Power

Total power loss under IN	1,5 W
Conventional transformers	1600 VA
Electronic transformers	1200 W

#### Materials

Colour	light grey
--------	------------

#### Dimensions

Depth	65 mm
Height	90 mm
Width of rail mounted device (RMD)	6 modules

#### Lighting control

Fluorescent lamps with electronical ballast (EB)	20 x 36 W
--	-----------

#### Fluorescent bulbs control

Energy-saving lamps	12 x 23 W
Max. power fluo. duo lamp comp. series	20 x 36 W
Fluorescent lamps parallel compensated	1500 W / 200 µF

#### LED control

Lighting power LED lamps	216 W
230V LED lamps	18 x 23 W
- Status LED integrated in manual operation button	

#### Incandescent bulbs control

230 V halogen lamps	2300 W
230 V incandescent lamps and halogen lamps	2300 W
Max. power with incandescent lamps	2300 W
230 V incandescent lamps	2300 W

#### Connection

Conductor cross-section (flexible)	0,75 2,5 mm <sup>2</sup>
Conductor cross-section (rigid)	0,75 2,5 mm <sup>2</sup>
Connection cross-sect. rigid cable	0,75 / 2,5mm <sup>2</sup>
Connection cross-sect. flexible conductor	0,75 / 2,5mm <sup>2</sup>
Type of load	C-Load
Type of connection	quick connect
Type of contacts	10NO

- with integral bus coupling unit
- with QuickConnect plug-in terminals
- bus connection via connecting terminal

#### Settings

- switching time on change of direction adjustable

---

**Equipment**

---

- with potential-free NO contacts as well as NC contact parameterisable

---

**Use**

---

- with plug-in terminals

---

**Safety**

---

Protection index IP	IP20
---------------------	------

---

**Use conditions**

---

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

---

**Identification**

---

Device family	TYA
Main design line	KNX

---