



TYA606E



**Output 6 -fold 16A C-Load adapted with current monitoring**

**Technical characteristics**

**Architecture**

Bus system KNX

**Functions**

Multi-phase mode suitable to switch different external conductors  
 Function with operating hours meter  
 Switching for switching, e.g. of 6 independent loads

**Configuration**

Number of modules 6

**Controls and indicators**

Indicator lamp yes  
 Operation manual operation can be activated via 2-level selection switch, thereby deactivation of the KNX function  
 Indication / display status LED integrated in the manual operation button  
 Button / push-button with illuminated programming button

**Main electrical features**

Rated operational voltage  $U_e$  230 V  
 Frequency 50/60 Hz  
 Rated current 16 A

**Voltage**

Max. switching capacity at 230 V AC  
 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) 6 mA  
 Bus current consumption (idle) 5 mA  
 Number of entry circuits 0  
 Maximum through current 16 A  
 Rated current 16 A  
 Switching current at  $\cos \varphi = 0.8$  max. 16 A

**Dimensions**

Width of rail mounted device (RMD) 6 modules

**Power**

Max. power with electronic transfo.	1380 W
Total power loss under IN	6 W
Output power	2300 W
Max. switching power	9775 W
Conventional transformers	1600 VA
Electronic transformers	1380 W

**Lighting control**

Fluorescent lamps with electronical ballast (EB)	25 x 18 W
- uncompensated	800 W

**Fluorescent bulbs control**

Energy-saving lamps	25 x 18 W
Power lighting fluo lamps	25x18W
Max. power fluo. duo lamp comp. series	25x18W

**LED control**

230 V retrofit LED lamps	200 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 <sup>2</sup>
Connection cross-sect. rigid cable	0,75 / 2.5mm <sup>2</sup>
Type of load	C-Load
Conductor cross-section (flexible)	0.75...2.5 mm <sup>2</sup>
Conductor cross-section (rigid)	0.75...2.5 mm <sup>2</sup>
Type of contacts	6NO
Bus coupling unit	with integral bus coupling unit
Type of connection	with plug-in terminals
Bus connection	bus connection via connecting terminal
Type of connection	quick connect

**Settings**

Supported configuration modes	system
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**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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