



TYM646R



## Heating actuator 6 channels KNX, with regulation, 24/230V

### Technical properties

#### Architecture

Bus system KNX

#### Functions

Multi-phase mode for 1 phase operation

Function with valve protection function ; Blocking function can be activated per actuator output via manual operation buttons or bus

#### Configuration

Number of modules 4

#### Controls and indicators

Message Feedback via bus, e.g. in the event of overload, power or sensor failure

Manual selection switches / push-buttons 6 manual operation buttons for open/close per actuator channel

Button / push-button with programming button and red programming LED

#### Connectivity

Number of binary inputs 0

#### Main electrical features

Frequency 50/60 Hz

#### Voltage

Auxiliary voltage 110...230 V AC

Operating voltage over bus 21...32 V DC

Output voltage 24...230 V AC

System supply voltage 30V DC via bus

Switching voltage 24...230 V

#### Electric current

Switching current 5 / 160 mA

#### Fuse

Fuse short-circuit proof and overload proof (display using LEDs)

#### Dimensions

Width of rail mounted device (RMD) 4 modules

#### Power

Power consumption (operation) 1 W

Power consumption (standby)	0.4 W
Power consumption, KNX	≈ 250 mW
Total power loss under IN	360 mW
Power dissipation per coil	120 mW
<b>Materials</b>	
Colour independent of design lines	light grey
RAL colour	RAL 7035 - Light grey
<b>LED control</b>	
LED	with 6 red status LEDs for display of input states
<b>Connection</b>	
Connection cross-sect. flexible conductor	0,5 / 4mm <sup>2</sup>
Connection cross-sect. rigid cable	0,5 / 4mm <sup>2</sup>
Conductor cross-section (flexible)	0.5...4 mm <sup>2</sup>
Conductor cross-section (rigid)	0.5...4 mm <sup>2</sup>
Bus coupling unit	with integral bus coupling unit
Type of connection	with screw terminals
Bus connection	bus connection via connecting terminal
<b>Settings</b>	
Supported configuration modes	system
Programming	various setpoint presettings for priority or emergency mode in the event of bus failure adjustable for summer and winter time
<b>Scope of delivery</b>	
Bus connection included	Yes
<b>Equipment</b>	
Modular expandability	No
Actuators, 24 V	per channel max. 2
Actuators per channel	max. 4
Control	with 12 integrated thermostats
Valve drives	type of actuator (currentless closed/open) adjustable ; for valve drive 230 V or actuator drive 24 V
<b>Use</b>	
Differentiation characteristic 3 - Sales	with screw terminals
<b>Safety</b>	
REACH conform	No
RoHS conform	Yes
Halogen free	No
<b>Use conditions</b>	
Operating temperature	-5...45 °C
Storage/transport temperature	-20...70 °C
<b>Identification</b>	

**Instructions**

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Information text

Valve drives of the same operating voltage must be connected to all actuator channels.