



TYM646R



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

Technical characteristics

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

Materials

Colour independent of design lines	light grey
RAL colour	RAL 7035 - Light grey

LED control

LED	with 6 red status LEDs for display of input states
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Connection

Connection cross-sect. flexible conductor	0,5 / 4mm ²
Connection cross-sect. rigid cable	0,5 / 4mm ²
Conductor cross-section (flexible)	0.5...4 mm ²
Conductor cross-section (rigid)	0.5...4 mm ²
Bus coupling unit	with integral bus coupling unit
Type of connection	with screw terminals
Bus connection	bus connection via connecting terminal

Settings

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

Scope of delivery

Bus connection included	Yes
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Equipment

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

Use

Differentiation characteristic 3 - Sales	with screw terminals
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Safety

REACH conform	No
RoHS conform	Yes
Halogen free	No

Use conditions

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

Identification

Instructions

Information text

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