TXM646R

IP20

Heating actuator 6 channels KNX, with regulation, easy, 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

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

Connection

Connection cross-sect. flexible conductor	0,5 / 4mm²
Connection cross-sect. rigid cable	0,5 / 4mm²
Conductor cross-section (flexible)	0.5...4 mm²
Conductor cross-section (rigid)	0.5...4 mm²
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, easy
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

Equipment

Modular expandability	No
Actuators, 24 V	per channel max. 2
Actuators per channel	max. 4
Control	with 12 integrated thermosthats
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

Safety

REACH conform	No
RoHS conform	Yes
Halogen free	No

Use conditions

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

Identification

Subject to technical modifications

Device family	TXA
Main design line	KNX

Instructions

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