## Valve Drive Actuator, 12-fold, 230 V, MDRC

To control thermoelectric valve drives (24…230 V AC) in heating/cooling systems via 12 independent semiconductor outputs.

### General device functions
- Supply via bus voltage
- Protection against overload and short circuit
- Manual operating keys and displaying LEDs for each channel
- Block/enable manual operation, deactivation after time and status
- Copy and exchange channels
- Cyclical monitoring of the device
- Sending and switching delay after bus voltage recovery
- Request status values
- Limited number of telegrams

### Software functionality for each channel
- Reaction on bus voltage recovery
- Status message overload/short circuit
- Selection of valve drive (normally closed/normally open)
- Control of outputs: Switching (1 bit) or continuous (1 byte, pulse width modulation)
- Status message control value (1 bit or 1 byte)
- Cyclic monitoring of control value (room temperature controller)
- Preferred position and status message at controller fault
- Security functions: Blocking and forced operation
- Valve purge: activation via object, adjustable duration, cyclic purge and status
- Characteristic curve correction
- Status byte

### Outputs
- 12 semiconductor outputs

### Power consumption
- KNX < 250 mW

### Operating voltage
- 21…30 V DC via KNX
- \( U_r \) rated voltage: max. 24…230 V AC, 45…65 Hz
- \( I_r \) rated current: max. 160 mA

### Operating and displaying elements
- LED and push button (ON/OFF) for each channel
- LED overload/short circuit and push button reset

### Connection
- Outputs: screw terminals with combination head screws
- KNX: screwless bus connection terminal

### Type of protection
- IP 20, EN 60 529

### Approval
- EIB and KNX according to EN 50 090-1, -2

### Installation
- on 35 mm mounting rail, EN 60 715

### Width
- 8 Modules at 18 mm

### Manufacturer
- ABB STOTZ-KONTAKT

### Type
- VAA/S 12.230.2.1

### Material
- Labour: ...........