## ABB i-bus® KNX
### Heating, Ventilation and Air Conditioning – Valve Drive Actuators/Valve Drive Controllers

<table>
<thead>
<tr>
<th>Function</th>
<th>Electronic Switch Actuator</th>
<th>Electronic Relay ER/U 1.1 (in combination with US/U x.2 (x = 2/4))</th>
<th>Valve Drive Actuator VAA/S x.230.2.1 (x = 6/12)</th>
<th>Valve Drive Controller VC/S 4.1.1</th>
<th>Valve Drive Controller VC/S 4.2.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>= Function is supported</td>
<td>= Function is not supported</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### General
- **Supply voltage**: KNX, 24...250 V AC/DC
- **Type of installation**: MDRM, Flush-mounted
- **Module width (18 mm)**: 4/8
- **Current consumption, bus**: < 12 mA
- **Rated current (per channel)**: 1 A (resistive load)
- **Inrush current (per channel)**: 8 A (1 s, Tu = 20 °C)
- **Maximum number of thermoelectric valve drives (per channel)**: 10 (230 V), 3 (24 V)

### Outputs
- **Number**: 4/8, 1, 6/12, 4
- **Type**: thermoelectric or motor valve drives
- **Output voltage**: 24...230 V AC/DC, 24...230 V AC, 24...230 V AC

### Manual operation
- **Manual operation**: 
- **Fault acknowledgement**: 

### Function:
#### Operating mode Valve drive, thermoelectric/motor valve drives
- **Forced operation**
- **Status**
- **Adjustable control value after controller fault**
- **Valve purge**
- **Characteristic curve adaption**
- **Blocking**

#### Operating mode Switch actuator
- **Time**: Staircase lighting, delay, flashing
- **8-bit scene**
- **Logical functions**
- **Safety settings**
- **Threshold values**
- **Integrated room temperature controller (RTC)**
- **Use in Master/Slave system with room operation units**
- **Control and diagnosis via ABB i-bus® Tool**