Intelligent Building System

ABB i-bus® KNX
Fan Coil Actuator FCA/S 1.2.2.1
ABB i-bus® KNX
Fan Coil Actuator, 0 … 10 V
Fan Coil Actuator, 0 … 10 V
Device connection

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan speed</td>
<td>3 (interlocked)</td>
</tr>
<tr>
<td>Rated current</td>
<td>6 A</td>
</tr>
<tr>
<td>Add. output</td>
<td>1</td>
</tr>
<tr>
<td>Rated current</td>
<td>20 AX (16 A C-Last, AC3)</td>
</tr>
<tr>
<td>Binary inputs</td>
<td>3 (scanning contact)</td>
</tr>
<tr>
<td>Valve outputs</td>
<td>2 (analogue)</td>
</tr>
<tr>
<td>Signal voltage</td>
<td>0 … 10 V</td>
</tr>
<tr>
<td>Connection</td>
<td>screw terminal</td>
</tr>
<tr>
<td>Tightening torque</td>
<td>max. 0.6 Nm</td>
</tr>
<tr>
<td>KNX</td>
<td>bus connection terminal</td>
</tr>
<tr>
<td>Enclosure</td>
<td>IP 20, EN 60 529</td>
</tr>
<tr>
<td>Mounting</td>
<td>on mounting rail 35 mm, DIN EN 60 715</td>
</tr>
<tr>
<td>Width</td>
<td>6 module à 18 mm</td>
</tr>
</tbody>
</table>
Fan Coil Actuator, 0 … 10 V
Overview of a 4-pipe system

[Diagram with labels:
- Fan Coil-Units
- Hot water circulation loop
- Cool water circulation loop
- Boil and cold water supply]
Fan Coil Actuator, 0 … 10 V
Design of a Fan Coil-Unit
Fan Coil Actuator, 0 … 10 V
Pipe systems

- 4-pipe system
- 3-pipe system
- 2-pipe system
Fan Coil Actuator, 0 … 10 V
Connection schematic

1. Label carrier
2. Button *Programming*
3. LED *Programming* (red)
4. Bus connection terminal
5. Button/LED *Manuelle operation* (yellow)
6. Inputs a, b, c
7. LED ON (green)
8. Button/LEDs valve V1 HEATING (yellow)
9. Button/LEDs valve V2 COOLING (yellow)
10. Valve V1 HEATING
11. Valve V2 COOLING
12. Button/LEDs Fan speed (yellow)
13. Fan
14. Output A
15. Buttons/LEDs Inputs a, b, c (yellow)
16. Button/display output A
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