The BT/A 1.1 Keypad is used to operate and display the GM/A 8.1 KNX Security Panel. The display is used to show information about system states. The multifunction and special keys mean that all the system functions can be operated easily. Safety-relevant functions are protected by a user PIN.

The device can be used in systems with increased security requirements according to VdS Class A, B and C, DIN VDE 0833 Grade 1, 2, 3 and EN 50 131 / IEC 62 642 Grade 1, 2, 3.
### Technical data

#### Supply
- **Voltage**: 13.2 V DC + 0.5 V (via S-Bus 3)
- **Current consumption**
  - Max. 65 mA
  - < 30 mA (typical)

#### Connection
- **Bus connection**: S-Bus 3
- **End of line resistor**: 120 Ohms (contained in scope of delivery of the panel)

#### Connection type
- **Type**: Pluggable screw type terminals
- **Connecting capacity**
  - 0.2…1.5 mm² rigid/flexible
  - 0.2…0.75 mm² rigid/flexible
- **Tightening torque**: Max. 0.4 Nm

#### Operating and display elements
- **LED Operation (green)**: Display of device operation readiness
- **LED Signal (yellow)**: Display of the triggered detector of the area
- **LED Fault (yellow)**: Display of a fault in the system/the area
- **LED Alarm (red)**: Display of alarm in the system/the area
- **Multifunction keys**: Recall the stored function in the display
- **Number keys**: Input of the PIN
- **Set key**: Setting of the system/the area
- **Unset key**: Unsetting of the system/the area
- **Reset key**: Reset alarms, faults and detectors saving alarms
- **Menu key**: Recall the Keypad menu
- **Switch off acoustics key**: Switch off the acoustic signaling device

#### Temperature range
- **Mode**: -10 °C...+55 °C
- **Transport**: -25 °C...+70 °C
- **Storage**: -25 °C...+55 °C

#### Ambient conditions
- **Max. humidity**: 93 %, n condensation allowed

#### Mounting
- **Surface mounted device (AP)/Flush mounted device (UP)**
- **Dimensions (H x W x D)**: 237 x 117 x 22 mm
- **Enclosure, color**: Plastic, RAL 9005 (jet black), halogen-free

#### Design
- **Protection type**: IP 30
  - To DIN EN 60 529
- **Protection class**: II
  - To DIN EN 61 140
- **Environmental class**: II
  - To DIN EN 50 130-5
- **Isolation category**: Overvoltage category III to EN 60 664-1
  - Pollution degree 2 to DIN EN 60 664-1
- **Approvals**
  - VdT 2252
  - DIN EN 50 131-3
  - Class C applied for Grade 3

#### CE conformity
- In accordance with the EMC guideline and low voltage guideline, ROHS
ABB i-bus® KNX
Keypad for GM/A 8.1, SM
BT/A 1.1, 2CDG280001R0011

Connection schematic
## ABB i-bus® KNX
Keypad for GM/A 8.1, SM
BT/A 1.1, 2CDG280001R0011

### Connection schematic (cont.)

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Dimension drawing (front view)

Dimension drawing (rear view)
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