

ABB i-bus® KNX

Keypad for GM/A 8.1, SM

BT/A 1.1, 2CDG280001R0011 / BT/A 2.1, 2CDG280002R0011



BT/A 1.1



BT/A 2.1

Product description

The BT/A x.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.

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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
	Multi-wire connecting capacity	0.2...0.75 mm² rigid/flexible
	Tightening torque	Max. 0.4 Nm
	Stripping length	6 mm
Operating and display elements	LED <i>Operation</i> (green)	Display of device operation readiness
	LED <i>Signal</i> (yellow)	Display of the triggered detector of the area
	LED <i>Fault</i> (yellow)	Display of a fault in the system/the area
	LED <i>Alarm</i> (red)	Display of alarm in the system/the area
	Multifunction keys	Recall the stored function in the display
	Number keys	Input of the PIN
	<i>Set</i> key	Setting of the system/the area
	<i>Unset</i> key	Unsetting of the system/the area
	<i>Reset</i> key	Reset alarms, faults and detectors saving alarms
Temperature range	<i>Menu</i> key	Recall the Keypad menu
	<i>Switch off acoustics</i> key	Switch off the acoustic signaling device
	Mode	-10 °C...+55 °C
	Transport	-25 °C...+70 °C
Ambient conditions	Storage	-25 °C...+55 °C
	Max. humidity	93 %, n condensation allowed
Mounting	Surface mounted device (AP)/Flush mounted device (UP)	
Design	Dimensions (H x W x D)	237 x 117 x 22 mm
	Enclosure	Plastic, halogen-free
	Color BT/A 1.1	RAL 9005 (jet black)
	Color BT/A 2.1	RAL 9016 (traffic white)
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
Interference immunity	DIN EN 50 130-4	
Isolation category	Overvoltage category	III to EN 60 664-1
	Pollution degree	2 to DIN EN 60 664-1
Approvals	VdS 2252	Class C: G116043
	DIN EN 50 131-3 / IEC 62 642-3	Grade 3
	Design of Keypad	B to EN 50 131-3
CE conformity	In accordance with the EMC guideline and low voltage guideline, ROHS	

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Connection schematic

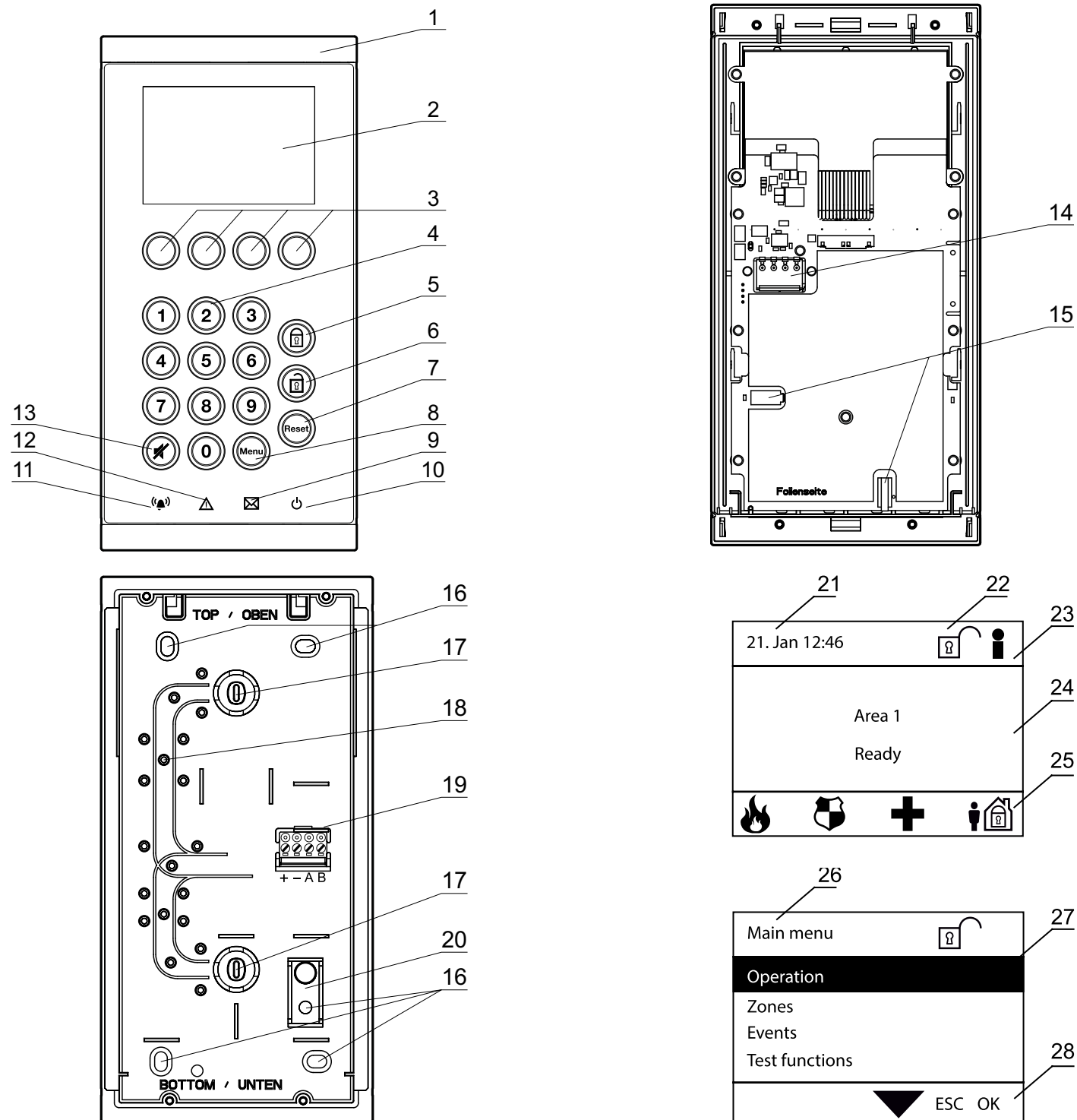


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Connection schematic (cont.)

1	Cover caps	15	Tamper contact
2	Display	16	Fixing holes
3	Multifunction keys	17	Cable entry point
4	Number keys	18	Strain relief
5	<i>Set</i> key	19	Bus connection, S-Bus 3
6	<i>Unset</i> key	20	Predetermined breaking point in enclosure for tamper detection
7	<i>Reset</i> key	21	Display of date and time
8	<i>Menu</i> key	22	Setting state of the system
9	LED <i>Message</i> (yellow)	23	Disable groups active
10	LED <i>Operation</i> (green)	24	Display area
11	LED <i>Alarm</i> (red)	25	Display area for functions of the multifunction keys
12	LED <i>Fault</i> (yellow)	26	Menu heading
13	<i>Switch off acoustics</i> key	27	Selection area
14	Contacting pins	28	Display area for functions of the multifunction keys

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Technical drawing of the front view of the 1000mAh battery. The drawing shows a rectangular battery with a honeycomb pattern. Dimensions are given in mm: overall width 106, overall height 225, and a central cutout width of 63. Specific features include two 18mm diameter circular ports, a 20mm diameter circular port, and a 20mm x 43mm rectangular port. The text "Made in Germany" and a CE mark are visible.

Contact

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