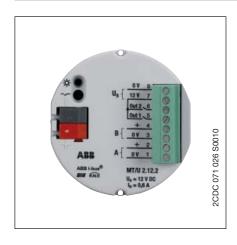# ABB i-bus® KNX

Security Terminal, 2-fold, FM
MT/U 2.12.2, 2CDG 110 111 R0011

2CDC 071 026 S0010

Security Terminal MT/U 2.12.2 is used as the interface between security technology sensors and the KNX.
The device features 2 inputs, so-called zones. They are used for monitoring connected passive detectors, e.g. magnetic contacts and/or glass break sensors on the ABB i-bus® KNX and/or for connection of floating contacts in applications with enhanced security requirements.

The device can be used as a system with autonomous alarm logic or in combination with the Security Module or an Intrusion Alarm Panel with KNX interface.

The device is flush mounted in an installation box Ø 55 mm.

A 12 V DC SELV auxiliary voltage supply is required,
e.g. NTU/S 12.2000.1.

Typical applications include the monitoring of door and window opening, the detection of glass breaks as well as monitoring of rooms using motion detectors.

Technical Data

Supply	Bus voltage	21…30 V DC via KNX
	Current consumption KNX	< 6 mA
	Auxiliary power supply required	12 V DC ± 1.6 V SELV, Ripple $\leq$ 1,0 V_{pp}
	Auxiliary voltage current consumption	Min. 13 mA and max. 43 mA (without external loads)
Inputs	Number	2
	No-load voltage	12 V DC
	Short-circuit current	Maximum 6 mA
	Permissible cable resistance	Maximum 200 Ω
	Primary line (detector circuits)	End of line resistor: 2.7 kΩ
	Setting/Unsetting input	Resistor combination (2.7 kΩ + 560 Ω in series)
Outputs	Number	2
	Rated voltage U_n	12 V DC (internal jumper)
	Short-circuit current	Maximum 0.6 A
	Type	Monostable relay
Connections	KNX	Bus connection terminal (black/red)
	Auxiliary voltage	Via screw terminals (0 V/12 V)
	Inputs	Via screw terminals (0 V/+)
	Outputs	Via screw terminals, common 0 V connection via auxiliary voltage
Bus connection terminals	Screw terminals	0.14…1.5 mm² stranded 0.14…1.5 mm² solid
		Multiple conductor connection capacity (equal cross-sections) 0.08…0.75 mm² stranded 0.08…0.50 mm² solid
	Tightening torque	Maximum 0.6 Nm
Operating and display elements	Programming button/LED	For assignment of the physical address
Enclosure	IP 20	To EN 60529
Safety class	II	To EN 61140
Isolation category	Overvoltage category	III to DIN EN 60664-1
	Pollution degree	2 to DIN EN 60664-1

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Temperature range	Operation	–5 °C…+45 °C
	Transport	–25 °C…+70 °C
	Storage	–25 °C…+55 °C
Ambient conditions	Maximum air humidity	93 %, no condensation allowed
Installation	Flush mounted device (FM)	Flush mounted device for fitting in an installation box (Ø 55 mm)
	Dimensions	54 x 28 mm (Ø x H)
Mounting position	as required	
Weight	0.05 kg	
Housing, colour	Plastic, halogen free, grey	
Approvals	KNX nach EN 50 090-1, -2	
CE mark	in accordance with the EMC guideline and low voltage guideline	

Application program	Maximum number of communication objects	Maximum number of group addresses	Maximum number of associations
Monitor Report 2f/1.0	28	254	255

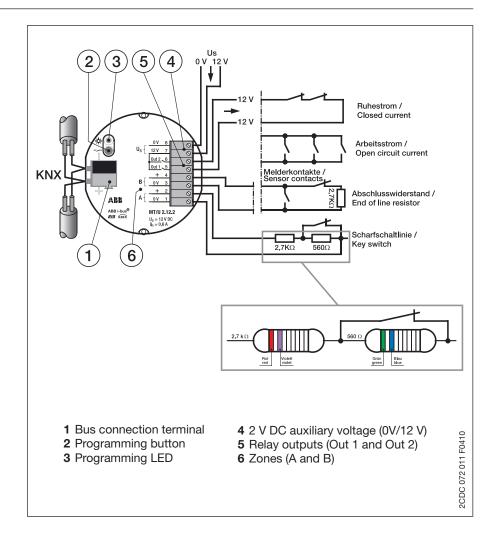| Note |
|---|
| Detailed information about the application can be found in the product Manual for the „Security Terminals MT/U 2.12.2, MT/S 4.12.2M and 8.12.2M". This manual can be free downloaded under www.ABB.de/KNX. |
| The programming requires EIB Software Tool ETS2 V1.3a or higher. |
| If ETS3 is used, a *.VD3 or higher type file must be imported. The application program is available in the ETS2 / ETS3 at ABB / Security and Surveillance / Security Terminals. |
| The device does not support the closing function of a project or the KNX device in the ETS. If you inhibit access to all devices of the project with a *BCU code* (ETS3), it has no effect on this device. Data can still be read and programmed. |

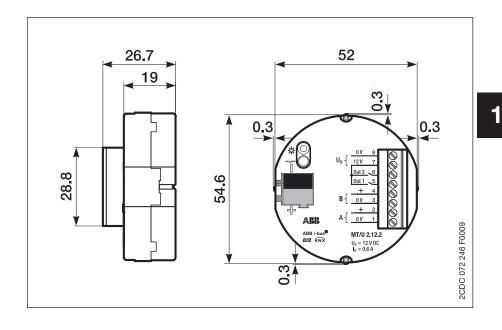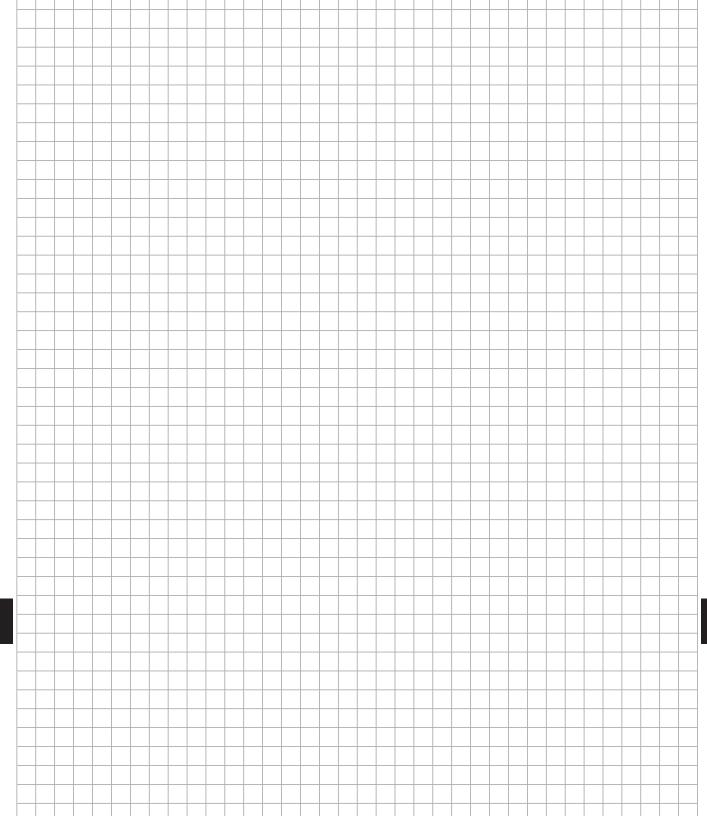# ABB i-bus® KNX

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Connection schematic

1 Bus connection terminal
2 Programming button
3 Programming LED

4 2 V DC auxiliary voltage (0V/12 V)
5 Relay outputs (Out 1 and Out 2)
6 Zones (A and B)

2CDC 072 011 F0410

Dimension drawing

2CDC 072 246 F0009

Notes