ABB i-bus® KNX
Electronic Switch Actuator Module, 2-fold, 24 V
ES/M 2.24.1, 2CDG 110 014 R0011

2CDC 071 430 F0004

The 2-fold Electronic Switch Actuator Module is snapped into any module slot of the Room Controller Basis Device. Using two semiconductor outputs, it switches two resistive loads such as electrothermal valve drives for heating control. The outputs are noise-free and wear-resistant. The nominal switching voltage is 12 V or 24 V.
The internal voltage is supplied via the Room Controller Basis Device. Contact is automatically established when the modules are snapped in place.

4

Technical data

Supply / Incoming supply	Internal supply	made available by the Room Controller Basis Device, contact made via contact system on the module base
	Incoming supply	10...30 V AC/DC
Outputs	2 load circuits	semiconductor outputs for resistive loads inrush current: max. 1 A continuous current: max. 700 mA
Connections	Load circuits	1 x 4-pole, plug-in screw terminals
	Incoming supply	1 x 2-pole, plug-in screw terminal each for connection and for looping through
	Connection cross-sections	0.2…2.5 mm² stranded 0.2…4.0 mm² solid
Temperature ranges	Storage	-25 °C ... 55 °C
	Transport	-25 °C ... 70 °C
Design	Type of installation	for snapping into the Room Controller Basis Device
	Housing / colour	plastic, anthracite, halogen-free
	Housing dimensions (W x H x D)	49 mm x 42 mm x 93 mm
	Weight	0.08 kg
CE mark	In accordance with the EMC guideline and low voltage guideline	

ABB i-bus® KNX
Electronic Switch Actuator Module, 2-fold, 24 V
ES/M 2.24.1, 2CDG 110 014 R0011

Device type	Application program	Maximum number of communication objects	Maximum number of group addresses	Maximum number of associations
RC/A 4.2	Room Controller modular 4f2/…*	125	254	255
RC/A 8.1	Room Controller modular 8f/…*	246	254	255
RC/A 8.2	Room Controller modular 8f2/…*	245	254	255

* … = current version number of the application program

4

Note

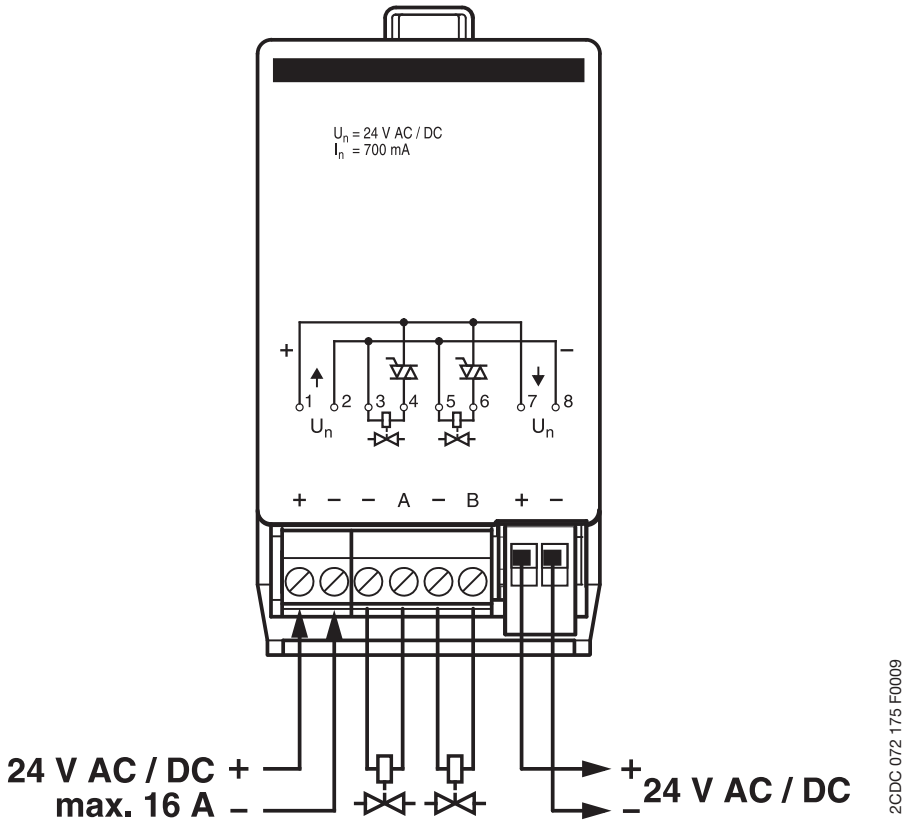
For a detailed description of the application program see „Switch Actuator Modules for the Room Controller, SA/M, ES/M“ product manual. It is available free-of-charge at *www.abb.com/knx*.

The ETS and the current version of the device application program are required for programming.

The current version of the application program is available for download on the Internet at *www.abb.com/knx*. After import it is available in the ETS under *ABB/ Room automation, Room Controller.*

The device does not support the closing function of a KNX device in the ETS. If you inhibit access to all devices of the project with a BCU code, it has no effect on this device. Data can still be read and programmed.

Important

Programming is possible only when the supply voltage is applied.

Circuit diagram