

## Shutter Actuator with Manual Operation

### 4-fold, SMI, MDRC

#### JA/S 4.SMI.1M, 2CDG 110 028 R0011



The Shutter Actuator JA/S 4.SMI.1M controls four independent groups, each with up to 4 SMI shutter or roller blind drives via the EIB / KNX. The operating buttons on the device can be used to manually raise and lower the shutter/blind as well as to stop it and adjust it in stages. The operating state, information concerning the respective channels as well as the current direction of motion or position of the shutter/ blind are displayed via LEDs.

The Shutter Actuator is a rail-mounted device for insertion in the distribution board. The connection to the ABB i-bus® EIB / KNX is established via a terminal.

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### Technical data

<b>Power supply</b>	Operating voltage	230 V AC +10/-15%, 45 ... 65 Hz
	Bus voltage	21 ...30 V DC via EIB / KNX
	Current consumption EIB / KNX	< 12 mA
	Power consumption EIB / KNX	Max. 250 mW
	Power consumption 230 V AC	Max. 2 W
	Leakage loss	Max. 1.8 W
<b>Outputs</b>	4 independent SMI outputs for up to 4 SMI drives each	
	SMI control voltage	18 V DC
	SMI cable lengths	Max. 350 m
<b>Operating and display elements</b>	Red LED and button	For assignment of the physical address
	Manual operation	2 buttons per output for up and down (long operation) or stop/louvre adjustment (short operation)
	Display direction of motion / end positions / status	2 LEDs per output for up / down, top / bottom, SMI communication, alarm
	Mode	1 button for switchover between manual operation and operation via EIB / KNX
	Operating mode display	1 LED for indication of the operating mode (manual operation / EIB / KNX)
<b>Connections</b>	EIB / KNX	Bus connection terminal (black/red)
	SMI	2 screw terminals per output (I+; I-) Conductor cross-section: stranded: 0.2 ... 2.5 mm <sup>2</sup> single-core: 0.2 ... 4 mm <sup>2</sup>
	230 V AC power supply	2 screw terminals for L 2 screw terminals for N Conductor cross-section: stranded: 0.2 ... 2.5 mm <sup>2</sup> single-core: 0.2 ... 4 mm <sup>2</sup>
<b>Enclosure</b>	IP 20, EN 60 529	
<b>Ambient temperature range</b>	Operation	- 5° C ... + 45° C
	Storage	- 25° C ... + 55° C
	Transport	- 25° C ... + 70° C

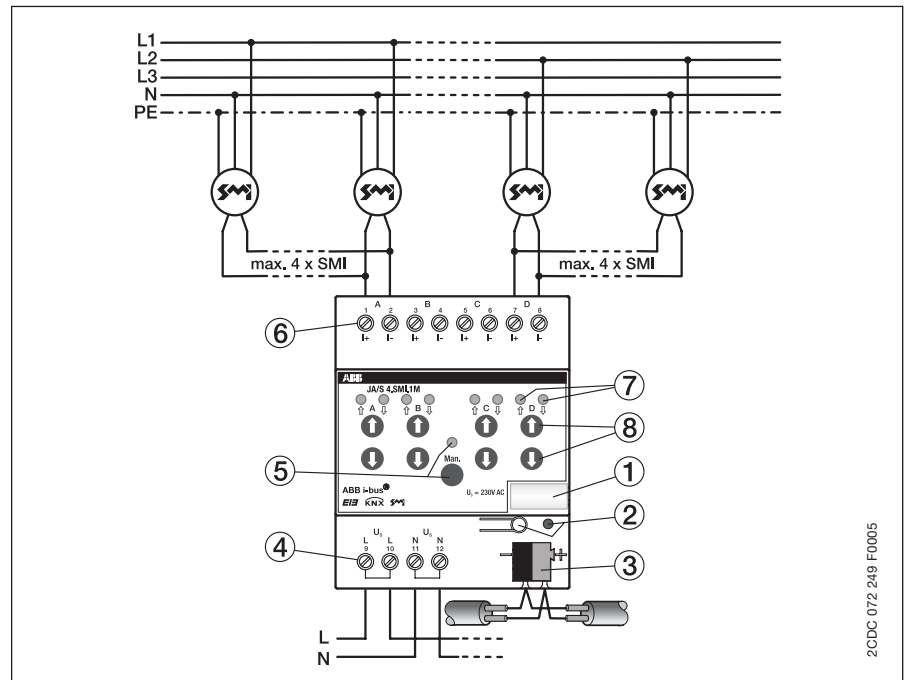
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<b>Design</b>	Modular installation device, ProM	
<b>Housing, colour</b>	Plastic housing, grey	
<b>Installation</b>	On 35 mm mounting rail	to DIN EN 50 022
<b>Dimensions</b>	90 x 72 x 64.5 mm (H x W x D)	
<b>Mounting depth / width</b>	68 mm / 4 modules at 18 mm	
<b>Weight</b>	Approx. 0.25 kg	
<b>Mounting position</b>	As required	
<b>Approvals</b>	EIB / KNX; SMI	
<b>CE mark</b>	In accordance with the EMC guideline and low voltage guideline	

Application program	Number of communication objects	Max. number of group addresses	Max. number of associations
Shutter SMI 4f M/1	134	250	250

**Note:** The programming requires EIB Software Tool ETS2 V1.1.3 or higher. If ETS3 is used, a “.VD3” type file must be imported. The application program is available in ETS2 / ETS3 under ABB/shutter/switch.

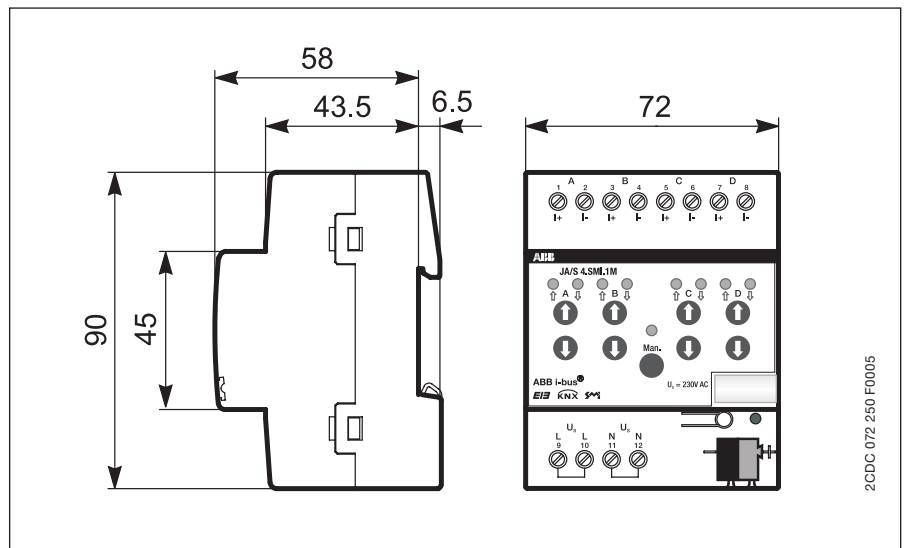
**Circuit diagram**



- 1 Label carrier
- 2 Programming LED/button
- 3 Bus connection terminal
- 4 230 V AC power supply
- 5 LED and “Man.” button
- 6 SMI connection terminal (I+; I-)
- 7 LED UP / DOWN / Position
- 8 Buttons UP / DOWN / Stop/ louvre adjustment

2CDC 072 249 F0005

Dimension drawing



Notes