



The shutter control unit controls shutter actuators with the functions of anti-glare protection and daylight redirection via the ABB i-bus® EIB. The current position of the sun is always calculated and logically combined with a threshold value for the sun's intensity so that the shutter is only moved into the calculated position when the sun is actually shining.

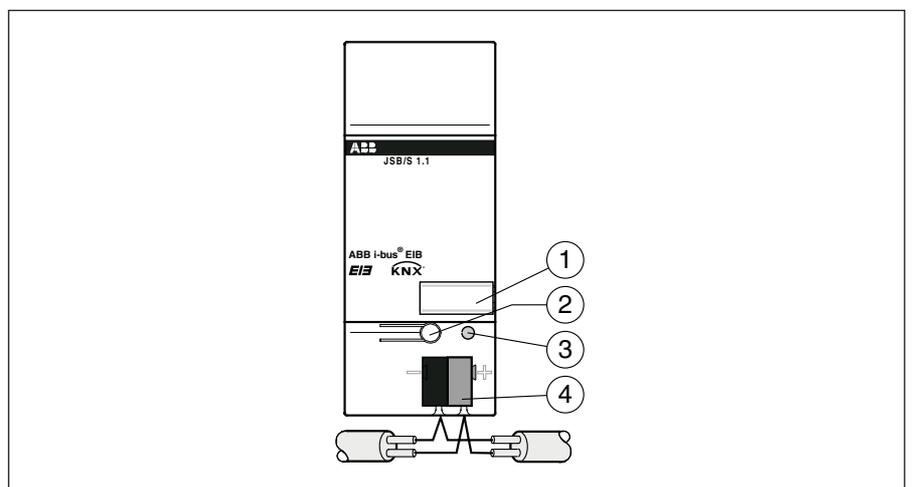
The influence of shadows (e.g. the building opposite) is taken into account. Up to 200 windows or groups of windows can be controlled individually. The geometrical data for the louvres, façades, windows (window groups) and shadow objects is set via the parameters. Each of up to 4 façades can be operated either with vertical or horizontal louvres or louvres with light redirection.

**7** Technical data

<b>Power supply</b>	– Operating voltage	21...30 V DC, via the EIB
	– Power consumption	typ. 10 mA
	– Leakage loss	max. 300 mW
<b>Operating and display elements</b>	– Red LED and push button	For entering the physical address
<b>Internal clock</b>	– Accuracy	max. +/- 2 seconds/ day
	– Reserve power	min. 1 hour typ. 12 ... 24 hours
<b>Connections</b>	– EIB	Bus connection terminal (black/red)
<b>Type of protection</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
<b>Design</b>	– Modular installation device, proM	
<b>Housing, colour</b>	– Plastic housing, grey	
<b>Installation</b>	– on 35 mm mounting rail, DIN EN 60 715	
<b>Dimensions</b>	– 90 x 36 x 64 mm (H x W x D)	
<b>Mounting depth/width</b>	– 68 mm/2 modules at 18 mm	
<b>Weight</b>	– 0.07 kg	
<b>Mounting position</b>	– Any	
<b>Certification</b>	– EIB- and KNX-certified	
<b>CE norm</b>	– in accordance with the EMC guideline and the low voltage guideline	

Application programs	Number of communication objects	Max. number of group addresses	Max. number of associations
Shutter Control /1	224	254	255

7 Circuit diagram



1 Label  
2 Programming button

3 Programming LED  
4 Bus connection terminal

Hinweise

The programming is carried out with ETS from version ETS2 V1.2a onwards.

The shutter control unit is supplied with a downloaded application program. During commissioning, only the group addresses and parameters therefore need to be loaded. The full application program can however also be loaded if required. To do so, the device must first be unloaded.

After programming, the date and time must be set in the shutter control module.

This can be carried out directly with ETS during the commissioning by sending corresponding telegrams to the input objects "Input date" and "Input time". Only then can the correct values of the output communication objects be calculated.

The functions of the shutter control unit JSB/S 1.1 are especially suited to interaction with ABB shutter actuators for insertion in the distribution board and the shutter actuator modules for the ABB room controller!