Satel
MADE TO PROTECT

Data sheet

KNX-**BSA12L**

Blind/shutter actuator

www.**satel**.eu

KNX-BSA12L - blind/shutter actuator

The KNX-BSA12L is a KNX blind/shutter actuator that allows you to control the movement of sun protection products such as horizontal (Venetian) blinds, vertical blinds, roller shutters and awnings. It also enables control of the movement of electrically-operated windows.

The KNX-BSA12L module is designed to control devices having the 24 V DC motor.

The module has 2 physical outputs with two corresponding logic channels. Each channel allows control of one selected type of blind/shutter or window.

Features

- communication with the KNX bus via integrated bus connector
- feedback information about the state of module and individual channels
- selectable type of blind/shutter for each channel
- automatic detection of blind/shutter travel time and slat adjustment time
- weather alarms (rain, wind, frost)
- position forcing function
- ability to call scenes for each channel by using 1- and 8-bit commands
- detection of blind/shutter errors (no power, incorrect position, mechanical jam, motor overheating)
- manual control of blind/shutter travel by using buttons on the enclosure
- LEDs to indicate status of each channel / blind/shutter
- module configuration using ETS program
- suitable for mounting on DIN rail (35 mm)

Specifications

Power supply

Supply voltage (KNX bus)	20…30 V DC
Current consumption from KNX bus	< 20 mA

Load circuit

U_n rated voltage	24 V DC
I_n rated current	6 A

Connections

Maximum wire cross-section	2.5 mm^2
Maximum tightening torque	0.5 Nm

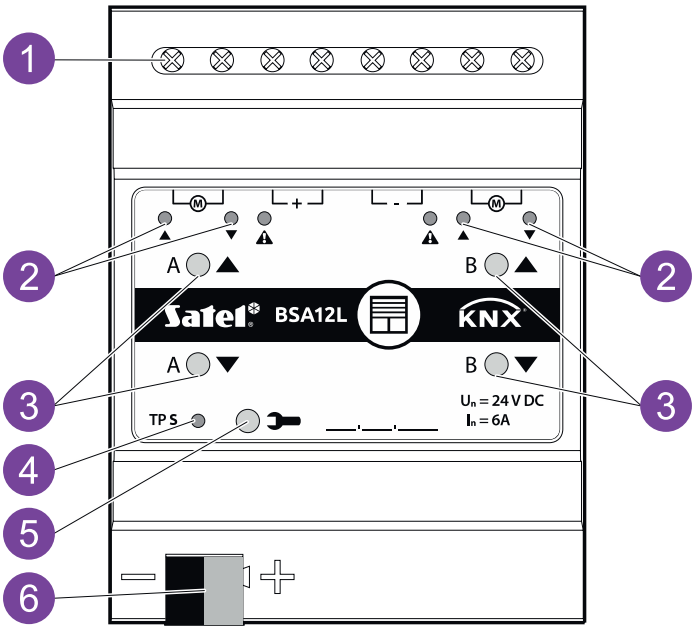
KNX parameters

Maximum time of reaction to telegram	< 20 ms
Maximum number of communication objects	45
Maximum number of group addresses	256
Maximum number of associations	256

Other parameters

Operating temperature range	0 °C...+45 °C
Storage/transport temperature range	-25 °C...+70 °C
IP code	IP20
Number of units on DIN rail	4
Enclosure dimensions	70 x 92 x 60 mm
Weight	182 g

Device appearance



1. Connecting terminals for blind/shutter motors and power supply.
2. LEDs indicating state of blinds/shutters / channels and errors.
3. Buttons for manual control of blinds/shutters / channels.
4. Red LED – ON during physical address assignment via the ETS program and flashes when the service mode is active. Address assignment can be activated remotely from the ETS program or manually by using the button on the enclosure.
5. Programming button (used for physical address assignment). The button can also be used to start the service mode in the module (see "Service mode").
6. Terminal to connect KNX bus.

Connection diagram