

Sales Information

ABB i-bus® EIB Shutter Actuators

Intelligent Installation Systems



ABB

For insertion in the distribution board

Shutter Actuators from ABB STOTZ-KONTAKT



Shutter Actuators from ABB STOTZ-KONTAKT control the blinds and ventilation in offices, homes and conference rooms via ABB i-bus® EIB and thus create pleasant lighting and climatic conditions.

The Shutter Actuators from ABB STOTZ-KONTAKT control various types of hangings for **shading** the room: shutters, awnings, roller blinds, curtains, vertical blinds etc.



Ventilation via doors, windows, skylights and ventilation flaps ensures a fresh indoor environment. Used air is replaced by air that is full of oxygen and unpleasant smells are banished from the room. Using the Shutter Actuators from ABB STOTZ-KONTAKT, the ventilation system can be controlled conveniently, also in places where the ventilation slots are not manually accessible (e.g. skylights and vertical windows in high rooms) or in rooms that are not constantly in use.

If required, each output of the Shutter Actuator can be operated individually: one for controlling the blinds and ventilation and another for **switching loads**.

During commissioning or on bus voltage failure

Manual operation



Shutter Actuators with manual operation ensure increased **operational reliability** in the ABB i-bus® EIB installation. The connection of the motors can be tested at the wiring stage, even without bus voltage. During the commissioning, the parameter settings are easier to test using direct operation and the blinds and ventilation can continue to be controlled in the event of bus voltage failure or other disruptions.

Via two **push buttons** per output, the blinds are raised and lowered, movement is halted and the louvres are adjusted. Two **LEDs** indicate the current direction of travel, the limit position and security-related information (e.g. wind alarm).

Via a further push button, the Shutter Actuator can switch from "Operation via EIB" to "Manual operation". Manual operation can be enabled and disabled via a bus telegram.

Security, convenience and flexibility

The functions of the application program

All the functions of the Shutter Actuators are combined in a single application program. The application program offers numerous possibilities for setting parameters and for linking communication objects.

The most important functions of the application program are:

- UP/DOWN movement, STOP/louvre adjustment
- Move into position (up to 4 preset positions)
- Set position (modification of the preset position via EIB)
- Move to position 0 % ... 100 %
- Scene control
- Automatic sun protection
- Automatic heating/cooling
- Monitoring of wind, rain and frost alarms (cyclical)
- Block and forced operation
- Status display of position and operating mode

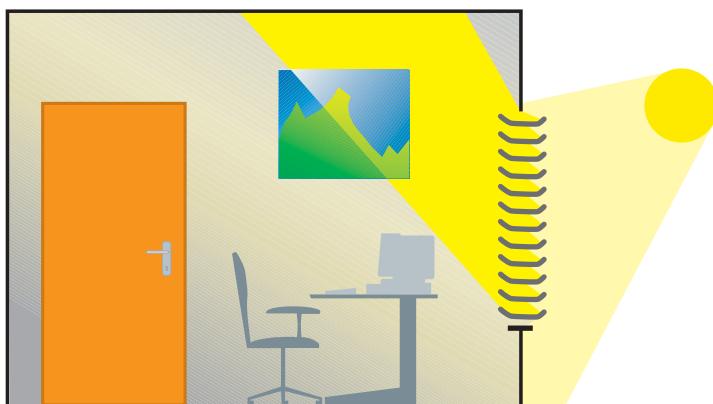
Fully automatic movement into the optimum position

Automatic control systems



Who doesn't recognise this scenario? Suddenly the sun starts to shine and you can no longer see anything on the screen. You have hardly had time to position the blind accordingly when the sun disappears behind a large black cloud and your workstation becomes dark. The position of the sun changes constantly and the louvres must always be adjusted to ensure that the sun is not dazzling but yet the room is not plunged into total darkness.

The **automatic sun protection function** is a useful tool in this case. The Shutter Actuators position the blinds so that you can carry on working without any distractions. The Shutter Actuators are controlled fully automatically via the ABB i-bus® EIB using a brightness sensor and a Shutter control unit. It is therefore possible to implement optimum anti-dazzle protection and even daylight control.

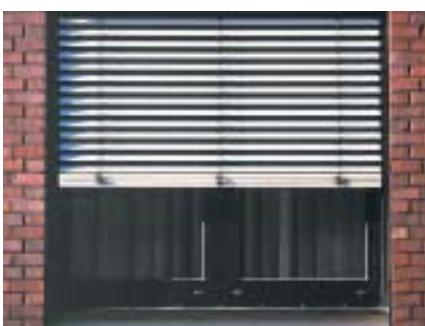
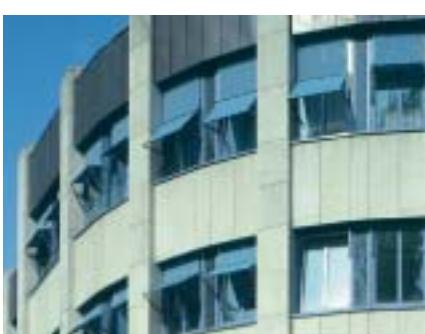


Heat exchange and draughts via windows, doors and ventilation flaps are considerable problems for the energy efficiency of modern buildings.

Unless otherwise required, ventilation systems and blinds should therefore be controlled according to the required energy input.

The **automatic heating/cooling function** for example raises the shutters in the winter to absorb the maximum heat radiation but lowers them in the summer to keep the room cool. Textile interior blinds also make a considerable contribution to storing heat or cold in the room and to preventing the room from cooling down or heating up during the night or when the room is not in use.

The automatic control functions can be activated and deactivated separately for each blind. You can therefore intervene at any time if you wish to darken the room via a push button, for example for a presentation or you wish to brighten the room, for example for a meeting.



Shutter Actuators for every requirement

The range/ordering information

Selection table

Description	Type	Order no.	bbn 4016779 EAN	Unit weight [kg]
 Shutter Actuator, 2-fold, 230 V AC, MDRC	JAS 2.230.1	GH Q631 0071 R0111	57552 2	0,25
 Shutter Actuator, 4-fold, 230 V AC, MDRC	JAS 4.230.1	GH Q631 0072 R0111	57555 3	0,25
 Shutter Actuator, 8-fold, 230 V AC, MDRC	JAS 8.230.1	GH Q631 0063 R0111	57560 7	0,5
 Shutter Actuator with manual operation, 4-fold, 230 V AC, MDRC	JAS 4.230.1M	GH Q631 0064 R0111	57556 0	0,26
 Shutter Actuator with manual operation, 8-fold, 230 V AC, MDRC	JAS 8.230.1M	GH Q631 0078 R0111	57562 1	0,52
 Shutter Actuator, 4-fold, 24 V DC, MDRC	JAS 4.24.1	GH Q631 0073 R0111	57558 4	0,25



The information in this leaflet is subject to change without further notice.