

Binary Inputs for individual applications

Ordering information

Selection table

Type	Description	MW*	Order no.	bbn 40 16779 EAN	Weight 1 pc. (kg)
	BE/S 4.230.1 Binary Input, 4-fold, 230 VAC/DC, MDRC	2	2CDG 110 051 R0011	63044 3	0.1
	BE/S 4.24.1 Binary Input, 4-fold, 24 VAC/DC, MDRC	2	2CDG 110 052 R0011	63045 0	0.1
	BE/S 4.20.1 Binary Input, 4-fold, 20 V, MDRC, contact scanning	2	2CDG 110 053 R0011	63037 5	0.1
	BE/S 8.230.1 Binary Input, 8-fold, 230 VAC/DC, MDRC	4	2CDG 110 054 R0011	63041 2	0.2
	BE/S 8.24.1 Binary Input, 8-fold, 24 VAC/DC, MDRC	4	2CDG 110 055 R0011	63042 9	0.2
	BE/S 8.20.1 Binary Input, 8-fold, 20 V, MDRC, contact scanning	4	2CDG 110 056 R0011	63043 6	0.2

*MW = Module Width in divisions = 18 mm

The data given in this publication are subject to technical modification.

Sales Information

ABB i-bus® EIB / KNX Binary Inputs BE/S x.x.1

Intelligent Installation Systems



Pub. No. 2CDC 504 041 D0201

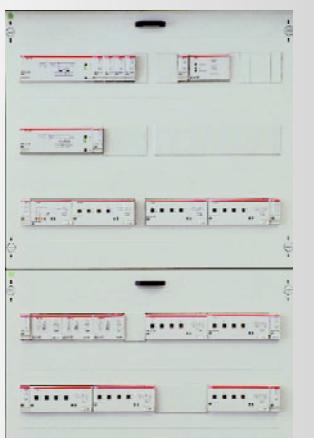
ABB

Your EIB-Partner

ABB

For DIN rail mounting in distribution boards

Binary inputs from ABB STOTZ-KONTAKT



Binary inputs are used as an interface for the convenient operation of ABB i-bus® systems and they acquire binary signals from conventional buttons, switches or voltage-free contacts. From this information binary inputs control lighting, shutters, blinds, light scenes and loads in a specified switching sequence or loads by multiple operation. Furthermore, binary inputs can acquire pulses or actuations.

The binary inputs from ABB STOTZ-KONTAKT fulfil all these individual requirements, both in functional buildings and also in the private sector. Whatever the role, designers and installers of systems are provided with numerous application possibilities.

Commissioning Manual operation



Binary inputs with manual operation enable ABB i-bus® systems to be put into operation even more efficiently. The ABB i-bus® system can be checked already during the commissioning phase without connected peripherals.

This means that trouble-shooting during commissioning is reduced to a minimum, because differentiation can be made between the peripheral and the ABB i-bus® system.

Using one key per channel, the input signals can be simulated, for example, to switch on lighting, control blinds or to count pulses. One LED per channel indicates the present state of the input. The binary input can be changed over from "Manual mode" to "Automatic mode" with another key. Manual operation can be disabled or enabled by a bus telegram.

Safety, convenience and flexibility

Functions of the application program

All functions of the new generation of binary inputs are included in a single application program. The application program offers numerous possibilities of parameterisation and linkage of communication objects. The devices are supplied by the ABB i-bus® and require no additional power supply.

The most important functions of the application program are:

- Manual operation:
- Manual operation key per channel:
- Channel LED indicator:
- Settable operating modes:
- Switching sensor/value/positively driven:
- Pulse counter:

Enable or disabled via communications object
Enable or disabled via parameter
Inverted indication via parameter
Switching sensor, switching/dimming/blinds sensor/
value/forced operation/scene controlled/switching sequence/
multiple actuation/pulse counter
Adjustable inactive waiting period after bus voltage recovery
Main and intermediate counters can be activated
Counter readings are saved on bus voltage failure
Counting direction reversible

Binary inputs in practice

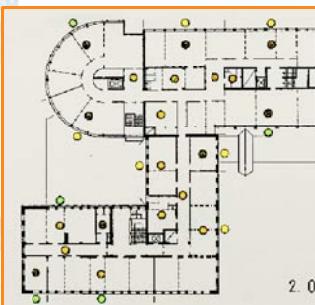
Different operating modes



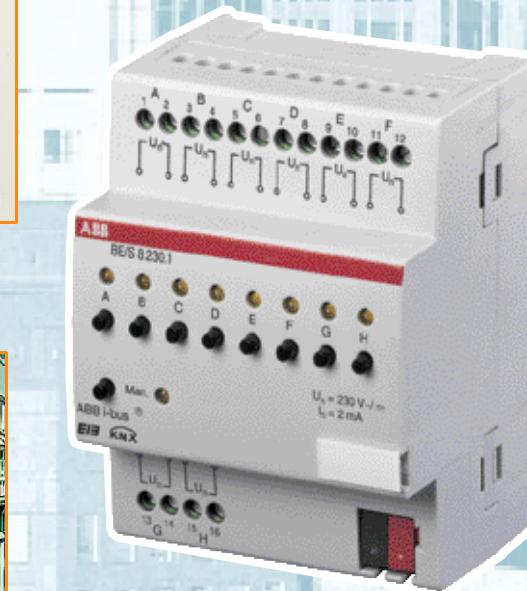
Controlling scenes



Counting pulses
contact scanning



Switching sensors



Controlling shutters and blinds



Switching and dimming lights



Switching sequences



Sending fixed numerical values
e.g. temperature values,
forced operation



Multiple operation