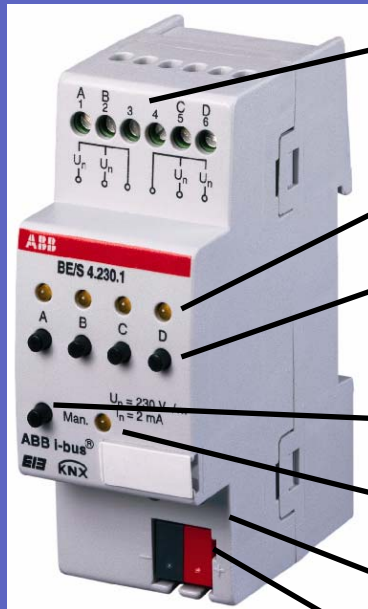ABB i-bus® EIB / KNX

**Binary Input
BE/S x.x.1**

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- Binary Input, 4-fold, MDRC (2 MW)

- Connection terminals

- Channel-LED

- Manual operation button

- Manual/Automatic button

- Manual/Automatic LED

- Programming-button/LED

- Bus connection terminal

- Binary Input, 8-fold, MDRC (4 MW)

- Connection terminal

- Channel-LED

- Manual operation button

- Manual/Automatic-button

- Manual/Automatic-LED

- Programming-button/LED

- Bus connection terminal

- Input:

  180...265 (0...120) V AC/DC
  9...32 (0...4) V AC/DC
  Contact scanning 32 V pulsed

- Design:

  4-fold - 2 MW
  8-fold - 4 MW

- Connection:

  Screw terminals 4 mm²
  with slotted head screws

- Input ports:

  4-fold: 2 input with common base
  8-fold: 8 independent inputs

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■ Manual/Automatic-button (-LED)
   realized as with the shutter actuators

■ Channel-LED

   - Input closed   => LED On

   - Input open   => LED Off

   - Inverted via application program

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■ **Manual operation button per channel**

- The first actuated   => „closing" simulated
  button is released   => nothing happens

- The second actuated   => „open" simulated
  button is released   => nothing happens

- Button can be enable or disabled via application
  program

- Detection of AC/DC-signals or to monitor potential free contacts with internal scanning voltage

- Status, manual operation, change between manual and bus mode

- Reaction on switching edge, switch-/dim commands, shutter/blinds control, store and recall of light scenes, send of various data types and values, count impulses, ...

Design- and assortment overview   BE/S 4.x.1

BE/S 4.230.1
2 MW
1-signal = 180...265 V AC/DC
0-signal = 0...120 V AC/DC

BE/S 4.24.1
2 MW
1-signal = 9...32 V AC/DC
0-signal = 0...4 V AC/DC

BE/S 4.20.1
2 MW
Contact scanning 32 V pulsed
Sensing current 0.1 mA

Input channel: 2 inputs with common base

Design- and assortment overview   BE/S 8.x.1

BE/S 8.230.1

4 MW

1-signal = 180...265 V AC/DC

0-signal = 0...120 V AC/DC

BE/S 8.24.1

4 MW

1-signal = 9...32 V AC/DC

0-signal = 0...4 V AC/DC

BE/S 8.20.1

4 MW

Contact scanning 32 V pulsed

Sensing current 0.1 mA

Input channel: 8 independent inputs

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- One application program for all components

- Application program with comprehensive functionality (e.g. fault monitoring input, counter)

- Easier commissioning with manual operation and LED indication

- Counts are stored with bus voltage failure

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Assortment comparison BE/S – ET/S

		4-fold	MW	6-fold	MW	8-fold	MW
230 V	**ET/S**	4.230*	2	6.230.1	4	-	
	BE/S	4.230.1	2	-		8.230.1	4
24 V	**ET/S**	-		6.24.1	4	-	
	BE/S	4.24.1	2	-		8.24.1	4
Contact scanning	**ET/S**	-		6.24.5	4	-	
	BE/S	4.20.1	2	-		8.20.1	4

*with data rail

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Assortment comparison BE/S – ET/S

		ET/S		BE/S	
4-fold, 230V	**0-signal**	**0…170**	**V**	**0…120**	**V**
	1-signal	**198…264**	**V**	**180…265**	**V**

x-fold, 230V	**0-signal**	**0…120**	**V**	**0…120**	**V**
	1-signal	**140…264**	**V**	**180…265**	**V**

x-fold, 24V	**0-signal**	**0…12**	**V**	**0…4**	**V**
	1-signal	**14…32**	**V**	**9…32**	**V**

potent.	**scanning**	**0,1**	**mA**	**0,1**	**mA**
	max.	**190**	**mA**	**350**	**mA**

x-fold: 6-fold ET/S devices
            8-fold BE/S devices

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