Intelligent Building System

ABB i-bus® KNX
Binary Input BE/S x.x.2.1

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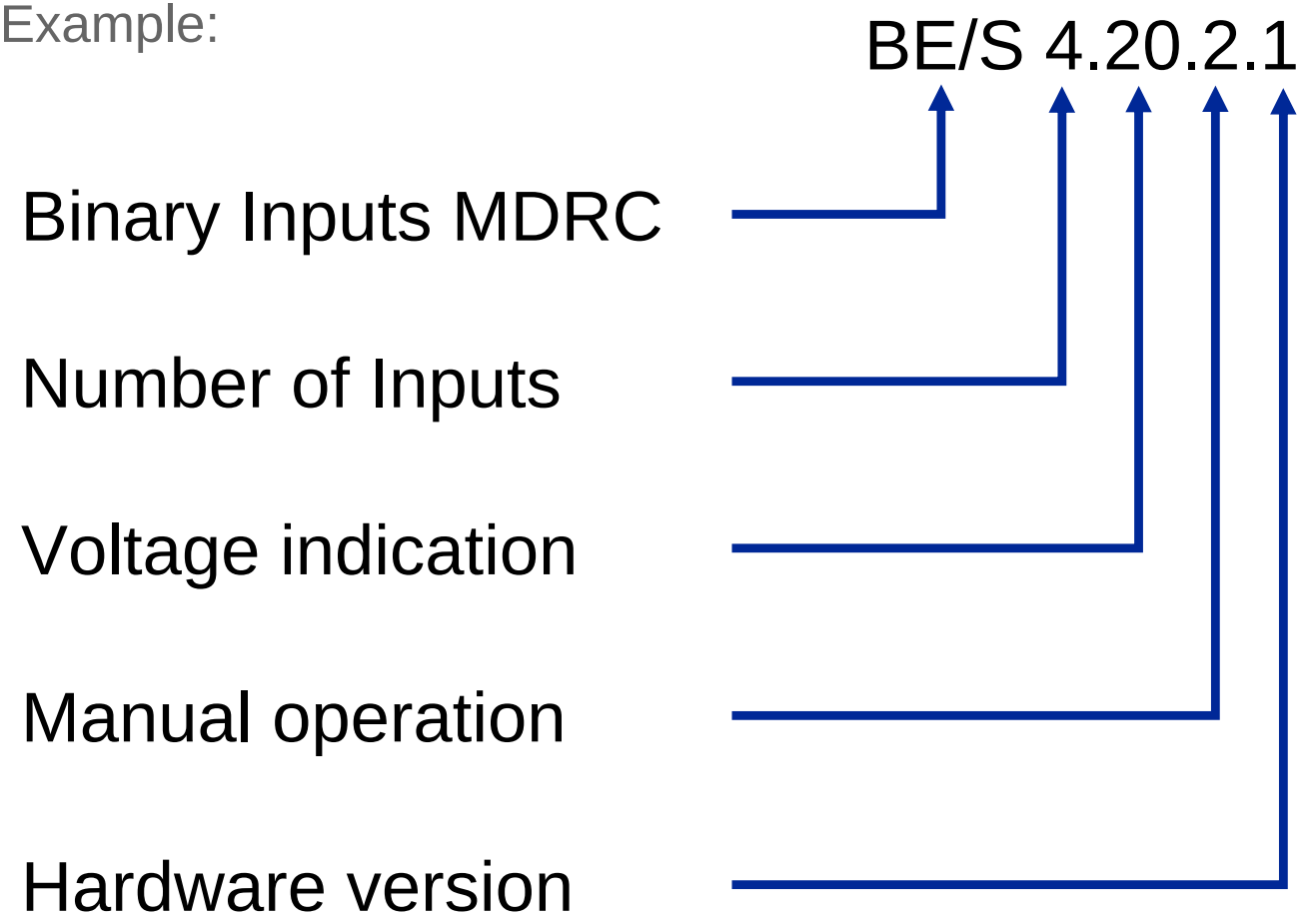
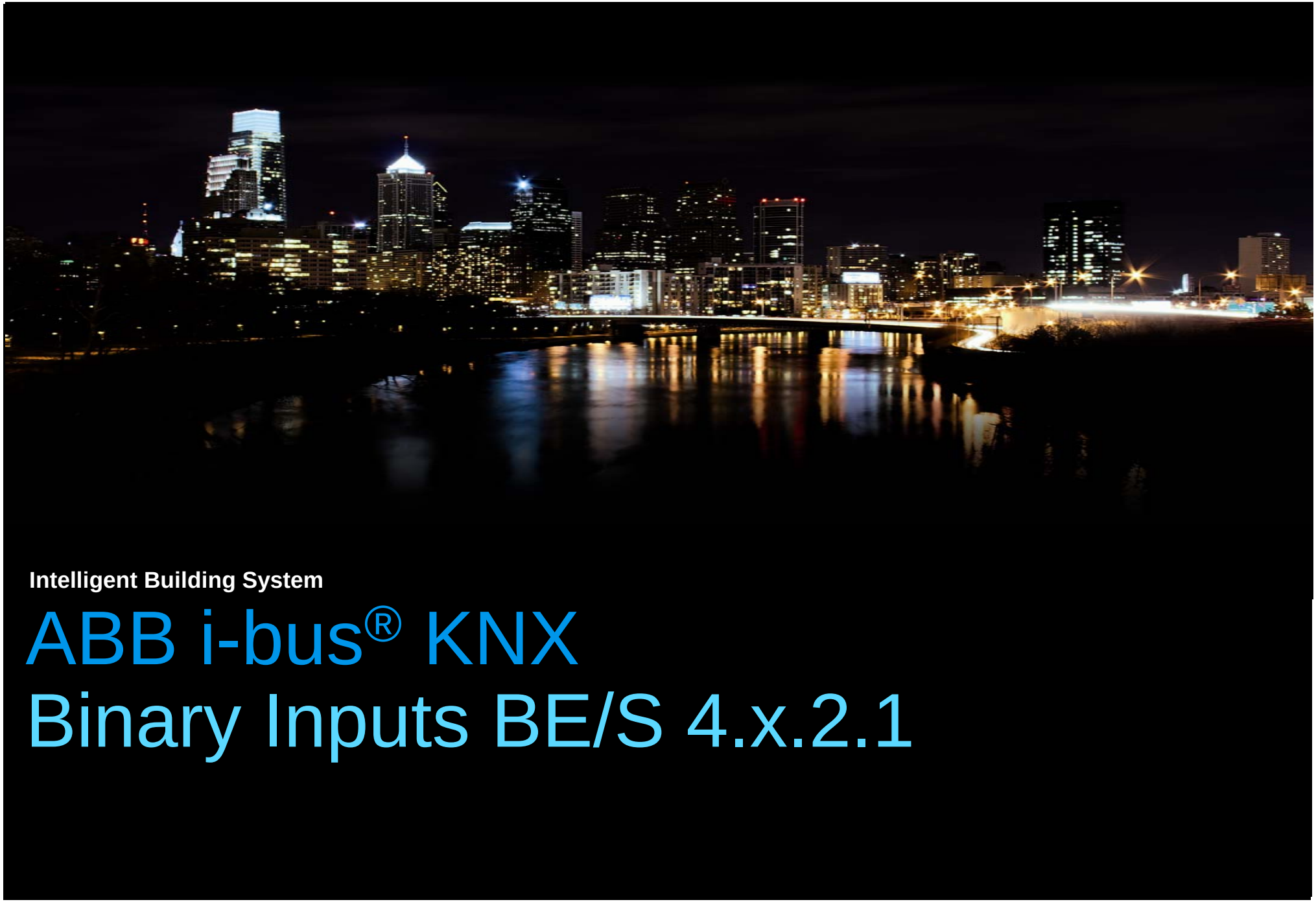
Binary Inputs
New product type description

Example:





Intelligent Building System

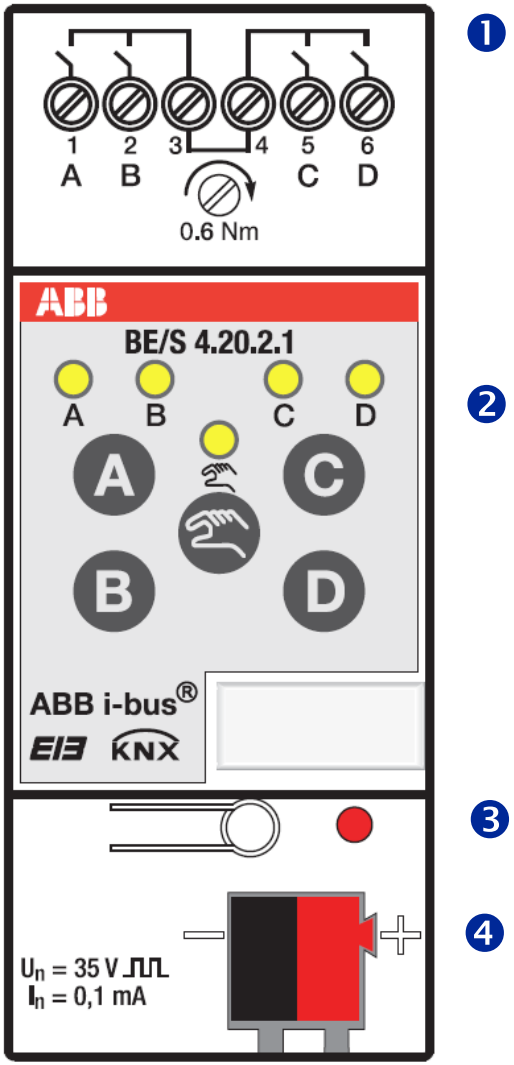
ABB i-bus® KNX
Binary Inputs BE/S 4.x.2.1

Binary Inputs BE/S 4.x.2.1, 4-fold
New product type description

Description old	Description new
BE/S 4.20.1	BE/S 4.20.2.1
BE/S 4.24.1 BE/S 4.230.1	BE/S 4.230.2.1

Binary Inputs
Hardware

Example:
BE/S 4.20.2.1



❶ Connection terminals

❷ Manual operation via plastic foil keypad

❸ Program-button/LED

❹ Bus connection

Binary Inputs, 4-fold
Technical data

Binary Inputs, 4-fold	
Connection terminal via screw terminals	0.2…2.5 mm² stranded 0.2…4.0 mm² solid core
Tightening torque	max. 0.6 Nm

Intelligent Building System

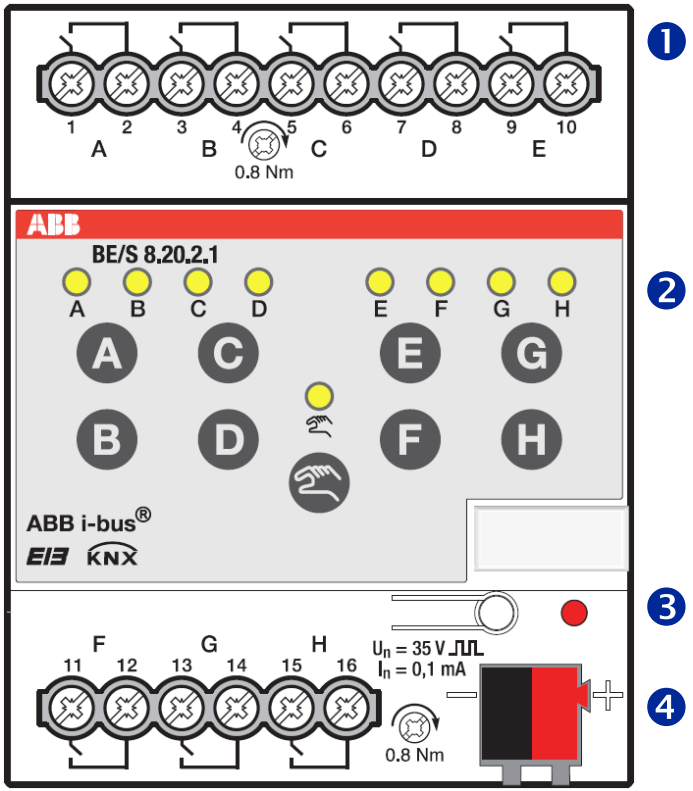
ABB i-bus® KNX
Binary Inputs BE/S 8.x.2.1

Binary Inputs BE/S 8.x.2.1, 8-fold
New product type description

Description old	Description new
BE/S 8.20.1	BE/S 8.20.2.1
BE/S 8.24.1 BE/S 8.230.1	BE/S 8.230.2.1

Binary Inputs
Hardware

Example:
BE/S 8.20.2.1



❶ Connection terminals

❷ Manual operation via plastic foil keypad

❸ Program-button/LED

❹ Bus connection

Binary Inputs, 8-fold
Technical data

Binary Inputs, 8-fold	
Connection terminals via screw terminals with universal head (PZ1)	0.2…4 mm² stranded 2 x (0.2…2.5 mm²) 0.2…6 mm² single core 2 x (0.2…4 mm²)
Ferrules without plastic sleeves with plastic sleeves	 0.25…2.5 mm² 0.25…4 mm²
TWIN Ferrules	0.5…2.5 mm²
Tightening torque	max. 0.8 Nm

Binary Inputs
Technical data: 230 V

BE/S x.230.2.1	**new version**
0-signal	0...2 V AC/DC
1-signal	7…265 V AC/DC

BE/S x.230.1 **BE/S x.24.1**	**old version**
0-signal	0...120 V AC/DC 0…4 V AC/DC
1-signal	180…265 V AC/DC 9…32 V AC/DC

Binary Inputs
Technical data: scanning

BE/S x.20.2.1	**new version**
scanning voltage	35 V pulsed
scanning current	0.1 mA
max. scanning current	355 mA

BE/S x.20.1	**old version**
scanning voltage	32 V pulsed
scanning current	0.2 mA
max. scanning current	at switch on max. 355 mA

Binary Inputs
Application program

- Basis for the application program was the Binary Inputs of the Room Master
- Adjustments
  - switch sensor / fault monitoring input
  - switch- / dimming sensor
  - Blind sensor
  - value / forced operation
  - control scene
  - switching sequence
  - push button with multiple operation
  - counter
- copy-tool: copies inputs within the device
- conversion not possible

Binary Inputs
Overview order code

Product-description	Order code
BE/S 4.20.2.1	2CDG 110 090 R 0011
BE/S 4.230.2.1	2CDG 110 091 R 0011
BE/S 8.20.2.1	2CDG 110 092 R 0011
BE/S 8.230.2.1	2CDG 110 093 R 0011

BE/S 4.230.1	2CDG 110 051 R 0011
BE/S 4.24.1	2CDG 110 052 R 0011
BE/S 4.20.1	2CDG 110 053 R 0011
BE/S 8.230.1	2CDG 110 054 R 0011
BE/S 8.24.1	2CDG 110 055 R 0011
BE/S 8.20.1	2CDG 110 056 R 0011

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