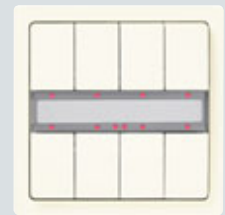
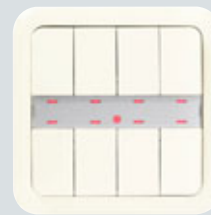
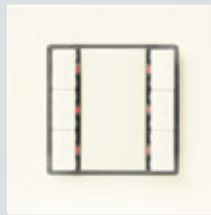




GAMMA *instabus* wall switches – Wide design variety with maximum functionality

GAMMA Building Management Systems



The new GAMMA Building Management Systems *instabus* wall switch generation is distinguished by a uniform bus coupling unit and a unique application program. The user interfaces provide maximum functionality based on KNX technology and are available in a wide range of designs.

■ Uniform bus coupling unit

The new wall switch generation has only one bus coupling unit (BTM) for all bus wall switches. Each new GAMMA *instabus* wall switch from the DELTA line, DELTA vita, DELTA miro, DELTA style and DELTA profil design lines can be plugged onto a bus coupling unit (BTM). Thus the planning costs get lower and installation and commissioning get easier.

■ Maximum functionality

A unique application program is available for all versions. The parameter settings range from typical switching functions to value transmissions to the value-controlled lighting of up to nine status LEDs.

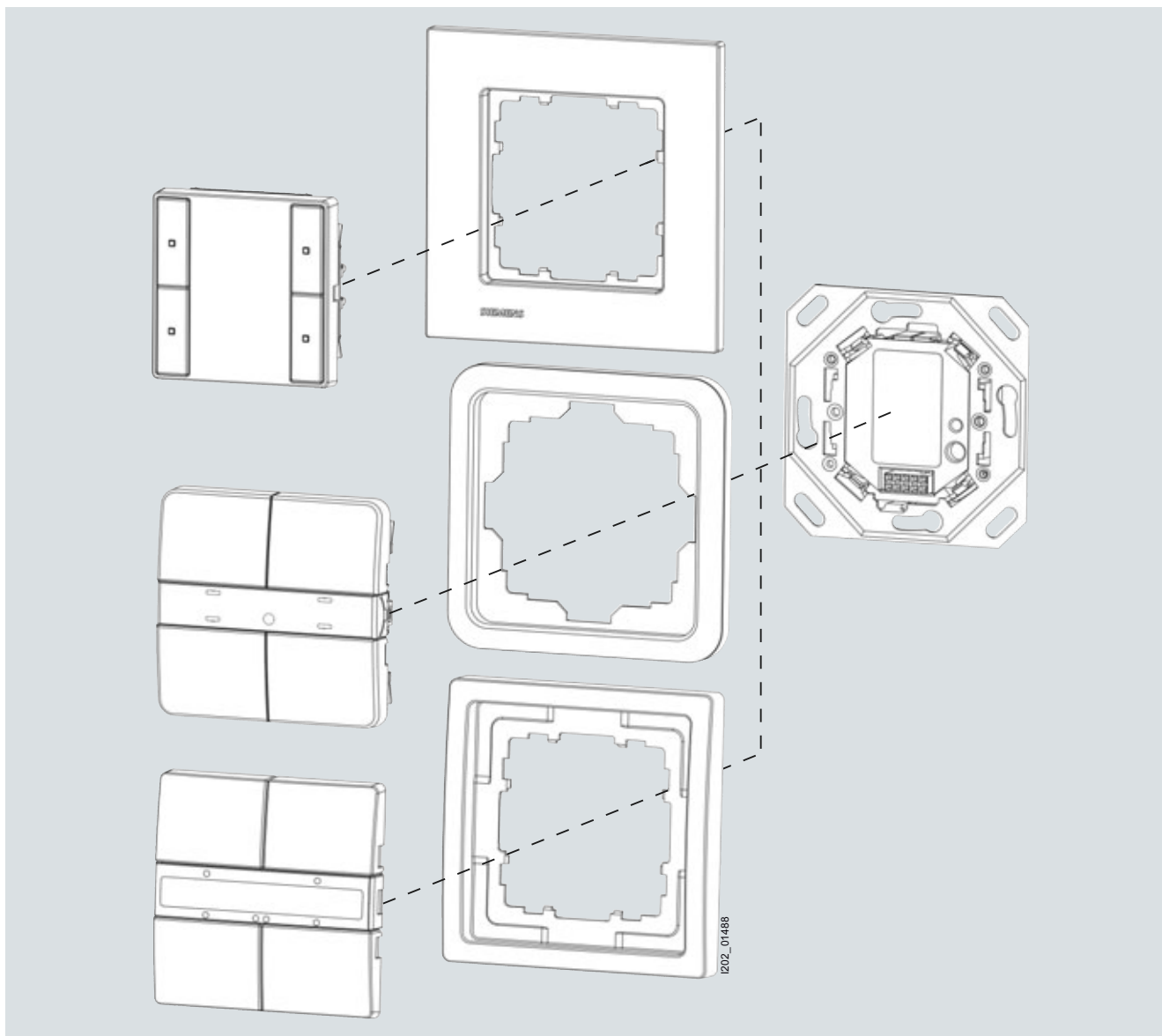
Highlights

- Uniform bus coupling unit for lower planning costs
- Uniform application program for easier and faster commissioning
- Integrated scene controller, room temperature sensor and IR receiver decoder for maximum functionality

Display, Operation




Wall switches

Overview

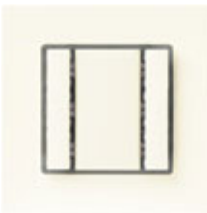
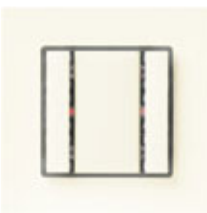

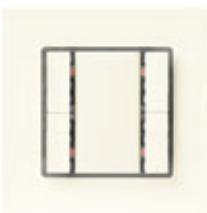
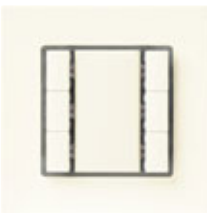
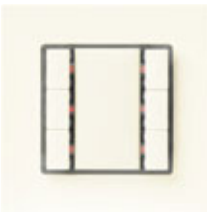








The GAMMA *instabus* wall switches along with the corresponding DELTA line, DELTA vita, DELTA miro, DELTA profil or DELTA style frames are plugged onto a bus coupling unit (BTM).






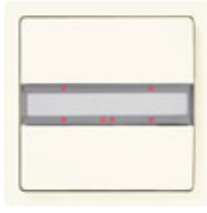
Technical specifications


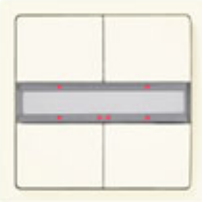
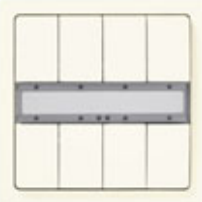
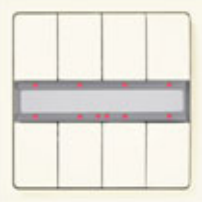
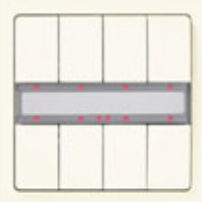
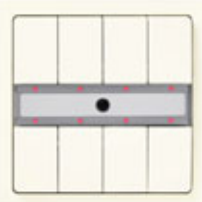
Design	i-system								DELTA profil								DELTA style							
																								
Type	UP 221/2	UP 221/3	UP 222/2	UP 222/3	UP 223/2	UP 223/3	UP 223/4	UP 223/5	UP 241/2	UP 241/3	UP 243/2	UP 243/3	UP 245/2	UP 245/3	UP 245/4	UP 245/5	UP 285/2	UP 285/3	IUP 286/2	UP 286/3	UP 287/2	UP 287/3	UP 287/4	UP 287/5
Application program 909301																								
Enclosure data																								
Dimensions																								
• Height	mm 55								65								68							
• Width	mm 55								65								68							
• Depth	mm 11								14								14							
Display/control elements																								
Individual pushbuttons	2	2	4	4	6	6	6	6	2	2	4	4	8	8	8	8	2	2	4	4	8	8	8	8
Pushbutton pairs	1	1	2	2	3	3	3	3	1	1	2	2	4	4	4	4	1	1	2	2	4	4	4	4
Operation (v: vertical, h: horizontal)	h	h	h	h	h	h	h	h	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
LED per pushbutton pair for status display	--	2	--	2	--	2	2	2	--	2	--	2	--	2	2	2	--	2	--	2	--	2	2	2
LED for orientation light (ON/OFF configurable/dimmable)	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓
IR activity display configurable via LED	--	--	--	--	--	--	--	✓	--	--	--	--	--	--	--	✓	--	--	--	--	--	--	--	✓
LED brightness configurable and controllable via object	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓
Bus connection																								
Plug onto a bus coupling unit (BTM) UP 117/11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Inputs																								
IR receiver decoder	--	--	--	--	--	--	--	✓	--	--	--	--	--	--	--	✓	--	--	--	--	--	--	--	✓
IR channels in blocks of 64	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--	16
Integrated room temperature sensor	--	--	--	--	--	--	✓	--	--	--	--	--	--	--	✓	--	--	--	--	--	--	--	--	✓
Input functions																								
Switching																								
Switching ON/OFF/OVER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pushbutton function (bell function)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dimming																								
Dimming with stop telegram (4-bit) Short button press, ON/OFF Long button press, BRIGHTER/DARKER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
One-pushbutton dimming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Value transmission																								
8 bit/percent/16 bit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Brightness value	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Temperature value	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Positively driven operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Time-delayed transmission of a second telegram, depending on main function	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Button deactivation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shutter/blind																								
Shutter/blind control Short button press, slat OPEN/CLOSED or STOP, Long button press, UP/DOWN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
One-pushbutton sun protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Scene																								
Integrated 8-bit scene control	--	--	--	--	--	--	✓	✓	--	--	--	--	--	--	✓	✓	--	--	--	--	--	--	✓	✓
Assignments per channel	--	--	--	--	--	--	8	8	--	--	--	--	--	--	8	8	--	--	--	--	--	--	8	8
Store and call up scene, 8-bit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Store and call up scene, 1-bit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Short or long button press (store/call up scene), configurable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Status																								
LED on/off/flashing depending on the value (1-bit/8-bit/16-bit)	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓
Pushbutton operation display configurable via LED	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓	--	✓	--	✓	--	✓	✓	✓


Selection and ordering data (Dated 04/2010)

Type	Version	DT	Order No.	PU	PS*/ P. unit	PG	Weight per PU approx.
				Unit(s)	Unit(s)		kg
i-system							
	UP 221/2 UP 221/2 wall switches¹⁾²⁾ Single, neutral						
	Versions						
	• Electrical white	B	5WG1 221-2AB02	1	1	022	0.060
	• Titanium white	A	5WG1 221-2AB12	1	1	022	0.060
	• Carbon metallic	B	5WG1 221-2AB22	1	1	022	0.060
	• Aluminum metallic	A	5WG1 221-2AB32	1	1	022	0.060
5WG1 221-2AB12							
	UP 221/3 UP 221/3 wall switches¹⁾²⁾ Single, with status LED, neutral						
	Versions						
	• Electrical white	B	5WG1 221-2AB03	1	1	022	0.060
	• Titanium white	A	5WG1 221-2AB13	1	1	022	0.060
	• Carbon metallic	B	5WG1 221-2AB23	1	1	022	0.060
	• Aluminum metallic	B	5WG1 221-2AB33	1	1	022	0.060
5WG1 221-2AB13							
	UP 222/2 UP 222/2 wall switches¹⁾²⁾ Double, neutral						
	Versions						
	• Electrical white	B	5WG1 222-2AB02	1	1	022	0.060
	• Titanium white	A	5WG1 222-2AB12	1	1	022	0.060
	• Carbon metallic	B	5WG1 222-2AB22	1	1	022	0.060
	• Aluminum metallic	A	5WG1 222-2AB32	1	1	022	0.060
5WG1 222-2AB12							
	UP 222/3 UP 222/3 wall switches¹⁾²⁾ Double, with status LED, neutral						
	Versions						
	• Electrical white	B	5WG1 222-2AB03	1	1	022	0.060
	• Titanium white	A	5WG1 222-2AB13	1	1	022	0.060
	• Carbon metallic	B	5WG1 222-2AB23	1	1	022	0.060
	• Aluminum metallic	B	5WG1 222-2AB33	1	1	022	0.060
5WG1 222-2AB13							
	UP 223/2 UP 223/2 wall switches¹⁾²⁾ Triple, neutral						
	Versions						
	• Electrical white	B	5WG1 223-2AB02	1	1	022	0.060
	• Titanium white	A	5WG1 223-2AB12	1	1	022	0.060
	• Carbon metallic	B	5WG1 223-2AB22	1	1	022	0.060
	• Aluminum metallic	A	5WG1 223-2AB32	1	1	022	0.060
5WG1 223-2AB12							
	UP 223/3 UP 223/3 wall switches¹⁾²⁾ Triple, with status LED, neutral						
	Versions						
	• Electrical white	B	5WG1 223-2AB03	1	1	022	0.060
	• Titanium white	A	5WG1 223-2AB13	1	1	022	0.060
	• Carbon metallic	B	5WG1 223-2AB23	1	1	022	0.060
	• Aluminum metallic	A	5WG1 223-2AB33	1	1	022	0.060
5WG1 223-2AB13							

Type	Version	DT	Order No.	PU	PS*/ P. unit	PG	Weight per PU approx.	
				Unit(s)	Unit(s)		kg	
	UP 223/4 UP 223/4 wall switches ¹⁾²⁾							
	Triple, with status LED, scene controller and room temperature sensor, neutral							
	Versions							
	• Electrical white	B	5WG1 223-2AB04	1	1	022	0.060	
	• Titanium white	B	5WG1 223-2AB14	1	1	022	0.060	
• Carbon metallic	B	5WG1 223-2AB24	1	1	022	0.060		
• Aluminum metallic	B	5WG1 223-2AB34	1	1	022	0.060		
5WG1 223-2AB14								
	UP 223/5 UP 223/5 wall switches ¹⁾²⁾							
	Triple, with status LED, scene controller and IR receiver decoder, neutral							
	Versions							
	• Electrical white	B	5WG1 223-2AB05	1	1	022	0.060	
	• Titanium white	B	5WG1 223-2AB15	1	1	022	0.060	
• Carbon metallic	B	5WG1 223-2AB25	1	1	022	0.060		
• Aluminum metallic	B	5WG1 223-2AB35	1	1	022	0.060		
5WG1 223-2AB15								
DELTA profil								
	UP 241/2 UP 241/2 wall switches ¹⁾²⁾							
	Single, neutral							
	Versions							
	• Titanium white	A	5WG1 241-2AB12	1	1	022	0.085	
• Anthracite	C	5WG1 241-2AB22	1	1	022	0.085		
• Silver	B	5WG1 241-2AB72	1	1	022	0.085		
5WG1 241-2AB12								
	UP 241/3 UP 241/3 wall switches ¹⁾²⁾							
	Single, with status LED, neutral							
	Versions							
	• Titanium white	B	5WG1 241-2AB13	1	1	022	0.085	
• Anthracite	B	5WG1 241-2AB23	1	1	022	0.085		
• Silver	B	5WG1 241-2AB73	1	1	022	0.085		
5WG1 241-2AB13								
	UP 243/2 UP 243/2 wall switches ¹⁾²⁾							
	Double, neutral							
	Versions							
	• Titanium white	B	5WG1 243-2AB12	1	1	022	0.085	
• Anthracite	B	5WG1 243-2AB22	1	1	022	0.085		
• Silver	B	5WG1 243-2AB72	1	1	022	0.085		
5WG1 243-2AB12								
	UP 243/3 UP 243/3 wall switches ¹⁾²⁾							
	Double, with status LED, neutral							
	Versions							
	• Titanium white	B	5WG1 243-2AB13	1	1	022	0.085	
• Anthracite	B	5WG1 243-2AB23	1	1	022	0.085		
• Silver	B	5WG1 243-2AB73	1	1	022	0.085		
5WG1 243-2AB13								

Type	Version	DT	Order No.	PU	PS*/ P. unit	PG	Weight per PU approx.
				Unit(s)	Unit(s)		kg
	UP 245/2 UP 245/2 wall switches ¹⁾²⁾ Quadruple, neutral						
	Versions						
	• Titanium white	B	5WG1 245-2AB12	1	1	022	0.085
	• Anthracite	B	5WG1 245-2AB22	1	1	022	0.085
	• Silver	B	5WG1 245-2AB72	1	1	022	0.085
5WG1 245-2AB12							
	UP 245/3 UP 245/3 wall switches ¹⁾²⁾ Quadruple, with status LED, neutral						
	Versions						
	• Titanium white	B	5WG1 245-2AB13	1	1	022	0.085
	• Anthracite	B	5WG1 245-2AB23	1	1	022	0.085
	• Silver	B	5WG1 245-2AB73	1	1	022	0.085
5WG1 245-2AB13							
	UP 245/4 UP 245/4 wall switches ¹⁾²⁾ Quadruple, with status LED, scene controller and room temperature sensor, neutral						
	Versions						
	• Titanium white	B	5WG1 245-2AB14	1	1	022	0.085
	• Anthracite	B	5WG1 245-2AB24	1	1	022	0.085
	• Silver	B	5WG1 245-2AB74	1	1	022	0.085
5WG1 245-2AB14							
	UP 245/5 UP 245/5 wall switches ¹⁾²⁾ Quadruple, with status LED, scene controller and IR receiver decoder, neutral						
	Versions						
	• Titanium white	A	5WG1 245-2AB15	1	1	022	0.085
	• Anthracite	C	5WG1 245-2AB25	1	1	022	0.085
	• Silver	B	5WG1 245-2AB75	1	1	022	0.085
5WG1 245-2AB15							
DELTA style							
	UP 285/2 UP 285/2 wall switches ¹⁾²⁾ Single, neutral						
	Versions						
	• Titanium white	A	5WG1 285-2AB12	1	1	022	0.085
	• Basalt black	C	5WG1 285-2AB22	1	1	022	0.085
	• Platinum metallic	B	5WG1 285-2AB42	1	1	022	0.085
5WG1 285-2AB12							
	UP 285/3 UP 285/3 wall switches ¹⁾²⁾ Single, with status LED, neutral						
	Versions						
	• Titanium white	A	5WG1 285-2AB13	1	1	022	0.085
	• Basalt black	C	5WG1 285-2AB23	1	1	022	0.085
	• Platinum metallic	B	5WG1 285-2AB43	1	1	022	0.085
5WG1 285-2AB13							

Type	Version	DT	Order No.	PU Unit(s)	PS*/ P. unit Unit(s)	PG	Weight per PU approx. kg
	UP 286/2 UP 286/2 wall switches ¹⁾²⁾ Double, neutral						
	Versions						
	• Titanium white	A	5WG1 286-2AB12	1	1	022	0.085
	• Basalt black	C	5WG1 286-2AB22	1	1	022	0.085
	• Platinum metallic	B	5WG1 286-2AB42	1	1	022	0.085
5WG1 286-2AB12							
	UP 286/3 UP 286/3 wall switches ¹⁾²⁾ Double, with status LED, neutral						
	Versions						
	• Titanium white	A	5WG1 286-2AB13	1	1	022	0.085
	• Basalt black	C	5WG1 286-2AB23	1	1	022	0.085
	• Platinum metallic	B	5WG1 286-2AB43	1	1	022	0.085
5WG1 286-2AB13							
	UP 287/2 UP 287/2 wall switches ¹⁾²⁾ Quadruple, neutral						
	Versions						
	• Titanium white	A	5WG1 287-2AB12	1	1	022	0.085
	• Basalt black	C	5WG1 287-2AB22	1	1	022	0.085
	• Platinum metallic	B	5WG1 287-2AB42	1	1	022	0.085
5WG1 287-2AB12							
	UP 287/3 UP 287/3 wall switches ¹⁾²⁾ Quadruple, with status LED, neutral						
	Versions						
	• Titanium white	A	5WG1 287-2AB13	1	1	022	0.085
	• Basalt black	C	5WG1 287-2AB23	1	1	022	0.085
	• Platinum metallic	B	5WG1 287-2AB43	1	1	022	0.085
5WG1 287-2AB13							
	UP 287/4 UP 287/4 wall switches ¹⁾²⁾ Quadruple, with status LED, scene controller and room temperature sensor, neutral						
	Versions						
	• Titanium white	A	5WG1 287-2AB14	1	1	022	0.085
	• Basalt black	C	5WG1 287-2AB24	1	1	022	0.085
	• Platinum metallic	B	5WG1 287-2AB44	1	1	022	0.085
5WG1 287-2AB14							
	UP 287/5 UP 287/5 wall switches ¹⁾²⁾ Quadruple, with status LED, scene controller and IR receiver decoder, neutral						
	Versions						
	• Titanium white	A	5WG1 287-2AB15	1	1	022	0.085
	• Basalt black	C	5WG1 287-2AB25	1	1	022	0.085
	• Platinum metallic	B	5WG1 287-2AB45	1	1	022	0.085
5WG1 287-2AB15							

Type	Version	DT	Order No.	PU Unit(s)	PS*/ P. unit Unit(s)	PG	Weight per PU approx. kg
System Products							
	UP 117/11	UP 117/11 bus coupling units (BTM) Mounting depth 16 mm	A 5WG1 117-2AB11	1	1	030	0.055

5WG1 117-2AB11

- 1) The bus coupling unit (BTM) must be ordered separately.
 2) The matching design frame must be ordered separately.
 * You can order this quantity or a multiple thereof.

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