Harmony [™] Double and TripleHeaded Push Buttons

Catalog

2011







Improved selection, simplicity and robustness

As a world leader in control and signaling components, Schneider Electric continues to innovate within the Harmony ranges to improve the efficiency of your dialog solutions.

Intended for simple applications, the new double and triple-headed push buttons feature extreme robustness, refined ergonomics, and very simple installation.

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Make the most of your energySM



> Discover the solution whatever your application

Complete offer

- Double-headed, double-headed + pilot light, and triple-headed push button versions
- Plastic and metal bezel ranges
- Very flexible offer with complete products as well as sub-assemblies for customer assembly
- Wide choice of push button caps (colors, markings) to meet your requirements



Customization

• Customize the push button by selecting caps with appropriate markings for your specific applications





> Gain in space and simplicity

Gain space on your control panels

• Up to 3 functions combined in a single product

Simplicity and speed of installation

- Only one Ø 22 mm hole required for installing a product with up to 3 functions
- Only one installer required: non-rotating head in its cut-out
- Fitting and removal of silicone boots without removing the push button (protection against splashing, etc.)

66% time savings when installing a 3-function product



> Opt for robust products

Tested and certified performance

- 1 million mechanical operations
- Operation down to -25 °C as standard
- Clear, easy-to-read push button cap markings, which are tamperproof due to the use of double injection molding
- · High luminosity LED for versions with pilot light

IP66/ IP69K

High degree of protection as standard (without boot)

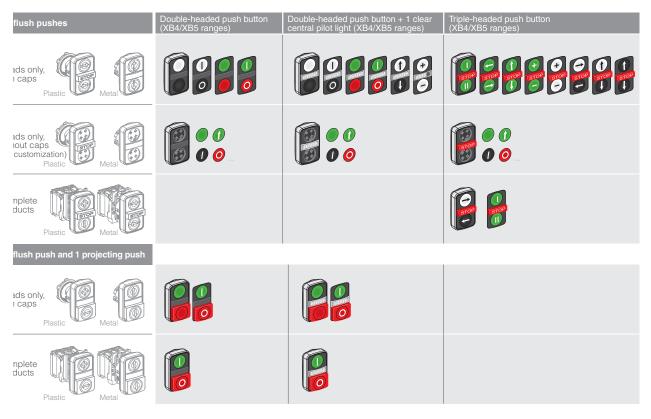
Conformity to the most demanding standards

- EN/IEC 60947-1, EN/IEC 60947-5-1
- EN/IEC 60947-5-4
- UL 508, CSA C22.2 No. 14
- This product is manufactured in conformity with the European RoHS (Restriction of Hazardous Substances) directive

100 % RoHS

Schneider Electric is committed to reducing the environmental impact of its products

> Selection guide



Harmony™ XB4 metal

Multiple-headed push buttons, spring return





ZB4BA7121



ZB4BL7341

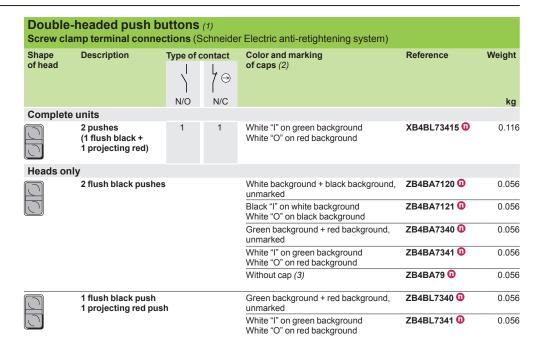


ZB4BW7A1721

ZB4BW7A3741

New

6



Shape	Description	Type of contact		Color and marking	Pilot	Reference	Weigh
of head	r nead		7 ⊖	of caps (2)	light voltage		
		N/O	N/C		V		kç
omplete	units						
	1 flush black push 1 1 projecting		1	White "O" on red background	24	XB4BW73731B5 ①	0.130
O	red push 1 white central				120	XB4BW73731G5 0	0.130
rotected [™]	pilot light block				240	XB4BW73731M5 ①	0.130
leads on	ly (5)						
	2 flush black pushes 1 clear central pilot light (4)		White background + black bac unmarked	ckground,	ZB4BW7A1720 🛈	0.056	
Ö				Black "I" on white background White "O" on black background Green background + red background, unmarked		ZB4BW7A1721 🛈	0.056
rotected [™]						ZB4BW7A3740 🛈	0.056
				White "I" on green background White "O" on red background		ZB4BW7A3741 🛈	0.056
				Black "1" on white background White "\$" on black background		ZB4BW7A1724 🛈	0.056
				Black "+" on white background Black "-" on white background		ZB4BW7A1715 🛈	0.056
				Without cap (3)		ZB4BW7A9 🛈	0.056
	1 flush black push 1 projecting red pus	h		Green background + red back unmarked	ground,	ZB4BW7L3740 ①	0.056
	1 clear central pilot l	iaht (4)		White "I" on green background	4	ZB4BW7L3741 0	0.056



To order, add the suffix 7 to the references selected above. Example: ZB4BA7120 becomes ZB4BA71207.

(1) For the recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, consult our website at www.Schneider-Electric.com.

White "O" on red background

- (2) These caps are fitted by Schneider Electric and cannot be removed without risk of product damage.
- (3) Caps to be ordered separately: see page 7.
- (4) Color of centrally positioned pilot light determined by the color of the LED incorporated in the body sub-assembly.
 (5) Only for use with bodies that include a Protected LED™ light source.

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Harmony™ XB4 metal

Multiple-headed push buttons, spring return



XB4BA731327



ZB4BA73133



7B4BA71124





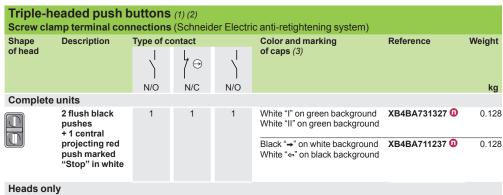
ZBA7331



ZBA7432



New





- 2 flush black pushes
- + 1 central projecting red push marked "Stop" in white

White "I" on green background White "II" on green background	ZB4BA73132 🛈	0.056
White "⇔" on green background White "⇒" on green background	ZB4BA73133 🛈	0.056
White "1" on green background White "1" on green background	ZB4BA73134 🛈	0.056
White "+" on green background White "-" on green background	ZB4BA73135 🛈	0.056
Black "+" on white background Black "-" on white background	ZB4BA71115 🛈	0.056
Black "→" on white background White "←" on black background	ZB4BA71123 🛈	0.056
Black "1" on white background White "4" on black background	ZB4BA71124 🛈	0.056
White "钋" on black background White "钋" on black background	ZB4BA72124 🛈	0.056
Without cap (4)	ZB4BA791 🛈	0.056

	ies for multiple-head				
Description	Background color	Marking	Sold in lots of	Reference	Weight kg
Caps only for	White	Unmarked	10	ZBA71 🛈	0.010
clip-on mounting on		"I" black	10	ZBA7131 🛈	0.010
double or triple-headed		"→" black	10	ZBA7134 🛈	0.010
oush buttons (5)		"+" black	10	ZBA7138 🛈	0.010
	Black	Unmarked	10	ZBA72 🛈	0.010
		"O" white	10	ZBA7232 🛈	0.010
		"+" white	10	ZBA7233 🛈	0.010
		"⇒" white	10	ZBA7235 🛈	0.010
		"I" white	10	ZBA7237 🛈	0.010
	Green	Unmarked	10	ZBA73 🛈	0.010
		"I" white	10	ZBA7331 🛈	0.010
		"+" white	10	ZBA7333 🛈	0.010
		"企" white	10	ZBA7335 🛈	0.010
		"II" white	10	ZBA7336 🛈	0.010
	Red	Unmarked	10	ZBA74 🛈	0.010
		"O" white	10	ZBA7432 🛈	0.010
	Yellow	Unmarked	10	ZBA75 🛈	0.010
	Blue	Unmarked	10	ZBA76 🛈	0.010
Clear silicone boots(6)	For 2 flush pushes	_	10	ZBA708 🛈	0.055
	For 3 pushes		10	ZBA709 🛈	0.055
	For 1 flush push + 1 projecting push	_	10	ZBA710 🛈	0.055

Heads with black metal bezel

To order, add the suffix 7 to the references selected above.

Example: ZB4BA73132 becomes ZB4BA731327.

- (1) For the recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, consult our website at www.Schneider-Electric.com.
- (2) Not compatible with high power switching contacts and contacts for printed circuit board.
- (3) These caps are fitted by Schneider Electric and cannot be removed without risk of product damage..
- (4) Caps to be ordered separately: see accessories on this page.
- (5) Can be clipped in at 90° steps, through 360°.
- (6) Can be replaced without dismantling the head.

Characteristics:

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General

Dimensions: page 10

Harmony™ XB5 plastic

Multiple-headed push buttons, spring return





ZB5AA7121



ZB5AL7341

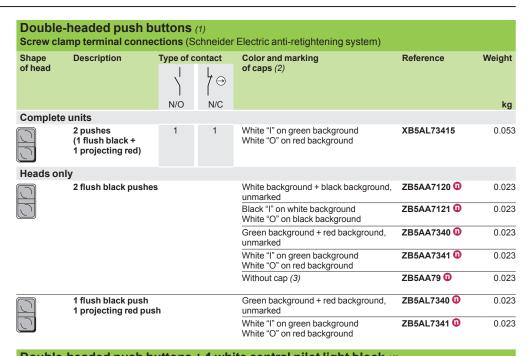


XB5AW73731•5



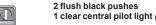
ZB5AW7A1721

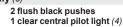




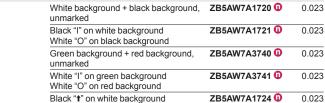
Shape	Description	Type of contact		Color and marking	Pilot	Reference	Weight			
of head		1	$\nearrow \ominus$	of caps (2)	light voltage					
		N/O	N/C		V		kg			
Complete	e units									
	1 flush black push 1 projecting	1	1	1	1 1		White "I" on green background White "O" on red background	24	XB5 AW73731B5	0.066
O	red push 1 white central				120	XB5AW73731G5	0.066			
Protected [™]	pilot light block				240	XB5AW73731M5	0.066			







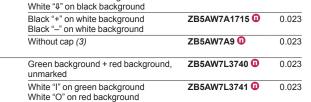






1 flush black push 1 projecting red push

1 clear central pilot light (4)





- (1) For the recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, consult our website at www.Schneider-Electric.com.
- (2) These caps are fitted by Schneider Electric and cannot be removed without risk of product damage.
- (3) Caps to be ordered separately: see page 9.
- (4) Color of centrally positioned pilot light determined by the color of the LED incorporated in the body sub-assembly.
- (5) Only for use with bodies that include a Protected LED™ light source.

New

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Control and signaling units, Ø 22 Harmony™ XB5 plastic

Multiple-headed push buttons, spring return









ZB5AA71124



ZBA7235



ZBA7331



ZBA7432



Shape of Description	Type of co	ontact		Color and marking	Reference	Weight	
head		N/O	→ N/C	N/O	of caps (3)		kg
Complete	units	IN/O	N/C	IN/O			ĸy
	2 flush black pushes + 1 central	1	1	1	White "I" on green background White "II" on green background	XB5AA731327 ①	0.063
	projecting red push marked "Stop" in white				Black "→" on white background White "←" on black background	XB5AA711237 ①	0.063



- 2 flush black pushes + 1 central projecting red push marked "Stop" in white

White "I" on green background White "II" on green background	ZB5AA73132 ①	0.023
White "⇔" on green background White "⇔" on green background	ZB5AA73133 🛈	0.023
White "f" on green background White "f" on green background	ZB5AA73134 🛈	0.023
White "+" on green background White "-" on green background	ZB5AA73135 🛈	0.023
Black "+" on white background Black "-" on white background	ZB5AA71115 🛈	0.023
Black "→" on white background White "←" on black background	ZB5AA71123 🛈	0.023
Black "f" on white background White "4" on black background	ZB5AA71124 🛈	0.023
White "f" on black background White "f" on black background	ZB5AA72124 ①	0.023
Without cap (4)	ZB5AA791 🛈	0.023

Description	Background color	Marking	Sold in lots of	Reference	Weight kg
Caps only for	White	Unmarked	10	ZBA71 🛈	0.010
lip-on mounting on		"I" black	10	ZBA7131 🛈	0.010
louble- or triple-headed		"1" black	10	ZBA7134 🛈	0.010
oush buttons (5)		"+" black	10	ZBA7138 🛈	0.010
	Black	Unmarked	10	ZBA72 🛈	0.010
		"O" white	10	ZBA7232 🛈	0.010
		"+" white	10	ZBA7233 🛈	0.010
		<u>"₽" white</u>	10	ZBA7235 🛈	0.010
		"I" white	10	ZBA7237 🛈	0.010
	Green	Unmarked	10	ZBA73 🛈	0.010
		"I" white	10	ZBA7331 🛈	0.010
		"+" white	10	ZBA7333 🛈	0.010
		"企" white	10	ZBA7335 🛈	0.010
		"II" white	10	ZBA7336 🛈	0.010
	Red	Unmarked	10	ZBA74 🛈	0.010
		"O" white	10	ZBA7432 🛈	0.010
	Yellow	Unmarked	10	ZBA75 🛈	0.010
	Blue	Unmarked	10	ZBA76 🛈	0.010
Clear silicone boots (6)	For 2 flush pushes	_	10	ZBA708 🛈	0.055
	For 3 pushes	_	10	ZBA709 🛈	0.055
	For 1 flush push +	_	10	ZBA710 🛈	0.055

- (1) For the recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, consult our website at www.Schneider-Electric.com.
- (2) Not compatible with high power switching contacts and contacts for printed circuit board.

 (3) These caps are fitted by Schneider Electric and cannot be removed without risk of product damage..

 (4) Caps to be ordered separately: see accessories on this page.

 (5) Can be clipped in at 90° steps, through 360°.

- (6) Can be replaced without dismantling the head.

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Control and signaling units, Ø 22 Harmony™ XB4 metal

Multiple-headed push buttons, spring return

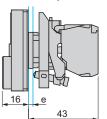
Protective treatment, standard version			"TH" treatment (tropical finish)
Ambient air temperature	Storage	°C	-40+70
around the device	Operation	°C	- 25+ 70: LED and neon bulb versions
Electric shock protection	According to IEC 61140		Class I
Degree of protection	Conforming to IEC 60529		IP 66, IP 69 K
	Conforming to UL and NEMA		Type 4X and 13, unless otherwise stated
Mechanical shock protection	Conforming to IEC 50102		IK 06
Conforming to standards			EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5, UL 508, CSA C22-2 n° 14
Mechanical durability (2)			1 million of operating cycles

- (1) For other technical characteristics, please consult "Control and signaling components" catalog.
- (2) Actual product life will vary based on electrical load, duty cycle, application, and environmental conditions.

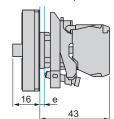
Dimensions (mm)

Multiple-headed push buttons (double or triple), spring return

XB4 BL73415, XB4 BW73731•5

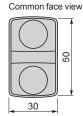


e: clamping thickness: 1 to 6 mm



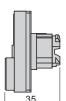
XB4 BA731327, XB4 BA711237 e: clamping thickness:

1 to 6 mm



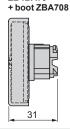
Heads for double-headed, spring return push buttons ZB4BL734●

ZB4BA712●, ZB4BA734●, ZB4BA79



20

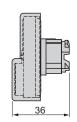
Common face view



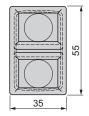
ZB4BA712●,

ZB4BA734●, ZB4BA79

ZB4BL734● + boot ZBA710



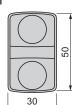
Common face view



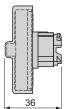
Heads for triple-headed, spring return push buttons

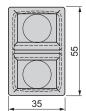
ZB4BA7313•, ZB4BA711••, ZB4BA72124, ZB4BA791





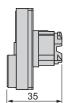
ZB4BA7313•, ZB4BA711••, ZB4BA72124, ZB4BA791 + boot ZBA709





Heads for double-headed push buttons + central pilot light ZB4BW7L374•

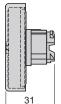
ZB4BW7A374●, ZB4BW7A17●●, ZB4BW7A9



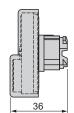
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Common face view

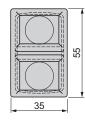
ZB4BW7A374•, ZB4BW7A17••, ZB4BW7A9 + boot ZBA708



ZB4BW7L374e + boot ZBA710



Common face view



Harmony[™] XB5 plastic Multiple-headed push buttons, spring return

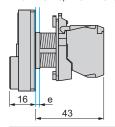
Protective treatment, standard version			"TH" treatment (tropical finish)
Ambient air temperature	Storage	°C	-40+70
around the device	Operation	°C	- 25+ 70: LED and neon bulb versions
Electric shock protection	Conforming to IEC 61140		Class I
Degree of protection	Conforming to IEC 60529		IP 66, IP 69 K
	Conforming to NEMA		NEMA Type 4X and 13, unless otherwise stated
Conforming to standards			EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5, UL 508, CSA C22-2 n° 14
Mechanical durability (2)			1 million of operating cycles

- (1) For other technical characteristics, please consult "Control and signaling components" catalog.
- (2) Actual product life will vary based on electrical load, duty cycle, application, and environmental conditions.

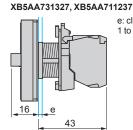
Dimensions (mm)

Multiple-headed push buttons (double or triple), spring return

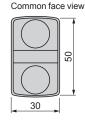
XB5AL73415, XB5AW73731•5



e: clamping thickness: 1 to 6 mm



e: clamping thickness: 1 to 6 mm



ZB5AL734●

+ boot ZBA710

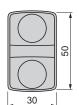
Heads for double-headed, spring return push buttons

ZB5AA712●, ZB5AA79

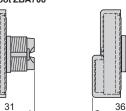
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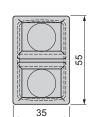






ZB5AA712●, ZB5AA734e, ZB5AA79 + boot ZBA708

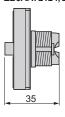


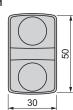


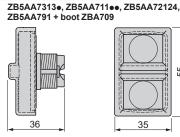
Common face view

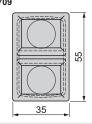
Heads for triple-headed, spring return push buttons

ZB5AA7313●, ZB5AA711●●, ZB5AA72124, ZB5AA791



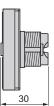


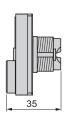


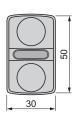


Heads for double-headed push buttons + central pilot light ZB5AW7L374•

ZB5AW7A374●, ZB5AW7A17●●, ZB5AW7A9

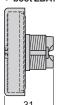




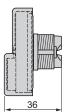


Common face view

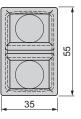
ZB5AW7A374●, ZB5AW7A17●●, ZB5AW7A9 + boot ZBA708



ZB5AW7L374• + boot ZBA710



Common face view



> Substitution table

Product type	Old version	New version IP66 only	Notes
Plastic head	ZB5 AA8112	ZB5 AA7120	
Double-headed pushbutton	ZB5 AA8212	ZB5 AA7121	
	ZB5 AA8134	ZB5 AA7340	
	ZB5 AA8234	ZB5 AA7341	
	ZB5 AL8334	ZB5 AL7340	
	ZB5 AL8434	ZB5 AL7341	
	ZB5 AL8312 ZB5 AL8412		equivalent: ZB5AL7340 or ZB5AA7120 equivalent: ZB5AL7341 or ZB5AA7121
		ZB5 AA79	new function
	ZB5 AA9112	ZB5 AA7120	
	ZB5 AA9212	ZB5 AA7121	
	ZB5 AA9134	ZB5 AA7340	
	ZB5 AA9234	ZB5 AA7341	
	ZB5 AL9334	ZB5 AL7340	
	ZB5 AL9434	ZB5 AL7341	7DEAL 7040 7DEAL 7040
	ZB5 AL9312		equivalent: ZB5AL7340 or ZB5AA7120
	ZB5 AL9412	705 4470	equivalent: ZB5AL7341 or ZB5AA7121
		ZB5 AA79	new function
Plastic head Double-headed pushbutton	ZB5 AW811723	ZB5 AW7A1720	
+ central pilot light	ZB5 AW821723	ZB5 AW7A1721	
	ZB5 AW813743	ZB5 AW7A3740	
	ZB5 AW823743	ZB5 AW7A3741	
	ZB5 AW812743		equivalent: ZB5AW7A3740
	ZB5 AW822743		equivalent: ZBAW77A3741
	ZB5 AW833743	ZB5 AW7L3740	
	ZB5 AW843743	ZB5 AW7L3741	
	ZB5 AW831723		equivalent: ZB5AW7L3740 or ZB5AW7A1720
	ZB5 AW841723		equivalent: ZB5AW7L3741 or ZB5AW7A1721
	ZB5 AW832743		equivalent: ZB5AW7L3740
	ZB5 AW842743		equivalent: ZB5AW7L3741
		ZB5 AW7A1724	new function
		ZB5 AW7A1715	new function
		ZB5 AW7A9	new function
Plastic head		ZB5 AA73132	new function
Triple-headed pushbutton		ZB5 AA73133	new function
		ZB5 AA73134	new function
		ZB5 AA73135	new function
		ZB5 AA71115	new function
STOP		ZB5 AA71123	new function
		ZB5 AA71124	new function
		ZB5 AA72124	new function
		ZB5 AA791	new function
Complete plastic bezel	XB5 AL845	XB5 AL73415	version IP66
product	ADO ALOTO	XB5 AA731327	new function
		XB5 AA711237	new function
	XB5 AW84B5	XB5 AW73731B5	
	XB5 AW84G5	XB5 AW73731B5 XB5 AW73731G5	
	XB5 AW84M5	XB5 AW73731G5 XB5 AW73731M5	
	XB5 AL945	XB5 AL73415	
	ADU AL940	ADD AL1 04 10	

Product type	Old version	New version	Notes
Silicone boot	ZBW008	ZBA710	
	ZBW008F	ZBA708	
	ZBW008W	ZBA708	
		ZBA709	new function

Product type	Old version	New version IP66 only	Notes
Metal head	ZB4 BA8112	ZB4 BA7120	
Double-headed pushbutton	ZB4 BA8212	ZB4 BA7121	
	ZB4 BA8134	ZB4 BA7340	
	ZB4 BA8234	ZB4 BA7341	
	ZB4 BL8334	ZB4 BL7340	
	ZB4 BL8434	ZB4 BL7341	
	ZB4 BL8312		equivalent: ZB4BL7340 or ZB4BA7120
	ZB4 BL8412		equivalent: ZB4BL7341 or ZB4BA7121
		ZB4 BA79	new function
	ZB4 BA9112	ZB4 BA7120	
	ZB4 BA9212	ZB4 BA7121	
	ZB4 BA9134	ZB4 BA7340	
	ZB4 BA9234	ZB4 BA7341	
	ZB4 BL9334	ZB4 BL7340	
	ZB4 BL9434	ZB4 BL7341	
	ZB4 BL9312		equivalent: ZB4BL7340 or ZB4BA7120
	ZB4 BL9412		equivalent: ZB4BL7341 or ZB4BA7121
		ZB4 BA79	new function
Metal head	ZB4 BW811723	ZB4 BW7A1720	
Double-headed pushbutton + central pilot light	ZB4 BW821723	ZB4 BW7A1721	
+ central phot light	ZB4 BW813743	ZB4 BW7A3740	
	ZB4 BW823743	ZB4 BW7A3741	
	ZB4 BW812743		equivalent: ZB4BW7A3740
	ZB4 BW822743		equivalent: ZB4BW7A3741
	ZB4 BW833743	ZB4 BW7L3740	
	ZB4 BW843743	ZB4 BW7L3741	
	ZB4 BW831723		equivalent: ZB4 BW7L3740 or ZB4 BW7A1720
	ZB4 BW841723		equivalent: ZB4 BW7L3741 or ZB4 BW7A1721
	ZB4 BW832743		equivalent: ZB4BW7L3740
	ZB4 BW842743		equivalent: ZB4 BW7L3741
		ZB4 BW7A1724	new function
		ZB4 BW7A1715	new function
		ZB4 BW7A9	new function
Madalla and			
Metal head Triple-headed pushbutton		ZB4 BA73132	new function
		ZB4 BA73133	new function
		ZB4 BA73134	new function
		ZB4 BA73135	new function
		ZB4 BA71115	new function
		ZB4 BA71123	new function
		ZB4 BA71124	new function
		ZB4 BA72124	new function
		ZB4 BA791	new function
Complete metal bezel product	XB4 BL845	XB4 BL73415	
		XB4 BA731327	new function
		XB4 BA711237	new function
	XB4 BW84B5	XB4 BW73731B5	
	XB4 BW84G5	XB4 BW73731G5	
	XB4 BW84M5	XB4 BW73731M5	
	XB4 BL945	XB4 BL73415	

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