

(1):

Voltage	Letter (●)
12...24 V AC/DC (15 mA)	B
48...120 V AC (25 mA)	G
230...240 V AC (25 mA)	M



### Illuminated pushbuttons

<b>Type of head</b>		<b>Flush push</b>				
<b>Shape of head</b>		rectangular (2)				
<b>Degree of protection</b>		IP 65 / Nema 4, 4X, 13 / Class II				
<b>Mounting (mm)</b>	panel cut-out mounting centres	$\varnothing 16.2^{+0.2}_0$				
<b>Dimensions (mm)</b>	W x H x D (below head)	24 x 18 with rectangular head, 18 x 18 with square or circular head				
<b>Connection (3)</b>		24 x 18 x 50 with rectangular head, 18 x 18 x 50 with square or circular head				
<b>Connection (3)</b>		Tags for 2.8 x 0.5 Faston connectors or for soldering				
<b>Type of push</b>		<b>Spring return</b>				
		<b>Complete products</b>	<b>Products for user assembly</b>			
		12 ... 24 V AC/DC				
<b>References</b>	white	NO	<b>XB6DW1B1B</b>	<b>ZB6E●1B (1)</b>	<b>ZB6Z1B</b>	<b>ZB6DW1</b>
		NO + NC	<b>XB6DW1B5B</b>	<b>ZB6E●1B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DW1</b>
	green	NO	<b>XB6DW3B1B</b>	<b>ZB6E●3B (1)</b>	<b>ZB6Z1B</b>	<b>ZB6DW3</b>
		NO + NC	<b>XB6DW3B5B</b>	<b>ZB6E●3B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DW3</b>
	red	NC	<b>XB6DW4B2B</b>	<b>ZB6E●4B (1)</b>	<b>ZB6Z2B</b>	<b>ZB6DW4</b>
		NO + NC	<b>XB6DW4B5B</b>	<b>ZB6E●4B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DW4</b>
	yellow	NO	–	<b>ZB6E●5B (1)</b>	<b>ZB6Z1B</b>	<b>ZB6DW5</b>
		NO + NC	<b>XB6DW5B5B</b>	<b>ZB6E●5B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DW5</b>
<b>Type of push</b>		<b>Latching</b>				
<b>References</b>	white	NO	–	<b>ZB6E●1B (1)</b>	<b>ZB6Z1B</b>	<b>ZB6DF1</b>
		NO + NC	<b>XB6DF1B5B</b>	<b>ZB6E●1B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DF1</b>
	green	NO	<b>XB6DF3B1B</b>	<b>ZB6E●3B (1)</b>	<b>ZB6Z1B</b>	<b>ZB6DF3</b>
		NO + NC	<b>XB6DF3B5B</b>	<b>ZB6E●3B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DF3</b>
	red	NC	<b>XB6DF4B2B</b>	<b>ZB6E●4B (1)</b>	<b>ZB6Z2B</b>	<b>ZB6DF4</b>
		NO + NC	<b>XB6DF4B5B</b>	<b>ZB6E●4B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DF4</b>
	yellow	NO	–	<b>ZB6E●5B (1)</b>	<b>ZB6Z1B</b>	<b>ZB6DF5</b>
		NO + NC	–	<b>ZB6E●5B (1)</b>	<b>ZB6Z5B</b>	<b>ZB6DF5</b>



### Pilot lights

<b>Type of head</b>		<b>Smooth lens cap</b>				
<b>Shape of head</b>		rectangular (2)				
<b>Degree of protection</b>		IP 65 / Nema 4, 4X, 13 / Class II				
<b>Mounting (mm)</b>	panel cut-out mounting centres	$\varnothing 16.2^{+0.2}_0$				
<b>Dimensions (mm)</b>	W x H x D (below head)	24 x 18 with rectangular head, 18 x 18 with square or circular head				
<b>Connection (3)</b>		24 x 18 x 50 with rectangular head, 18 x 18 x 50 with square or circular head				
<b>Connection (3)</b>		Tags for 2.8 x 0.5 Faston connectors or for soldering				
<b>Type of push</b>		<b>Spring return</b>				
		<b>Complete products</b>	<b>Products for user assembly</b>			
		12 ... 24 V AC/DC				
<b>References</b>	white		<b>XB6DV1BB</b>	<b>ZB6E●1B (1)</b>	<b>ZB6DV1</b>	
	green		<b>XB6DV3BB</b>	<b>ZB6E●3B (1)</b>	<b>ZB6DV3</b>	
	red		<b>XB6DV4BB</b>	<b>ZB6E●4B (1)</b>	<b>ZB6DV4</b>	
	yellow		<b>XB6DV5BB</b>	<b>ZB6E●5B (1)</b>	<b>ZB6DV5</b>	
	blue		–	<b>ZB6E●6B (1)</b>	<b>ZB6DV6</b>	

(1) Basic reference, to be completed by the letter B, G or M indicating the required voltage. See voltage table above.

(2) For products with a square head, replace the letter **D** in the reference by the letter **C** (XB6DW1B1B becomes XB6CW1B1B).

For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6DW1B1B becomes XB6AW1B1B).

(3) Alternative connection: 1 x 0.5 pins for printed circuit boards.

## Contact functions



Pushbuttons						
Type of head			<b>Flush push</b>			
Shape of head			rectangular (1)			
Degree of protection			IP 65 / Nema 4, 4X, 13 / Class II			
Mounting (mm)	panel cut-out		$\varnothing 16.2^{+0.2}_0$			
	mounting centres		24 x 18 with rectangular head, 18 x 18 with square or circular head			
Dimensions (mm)	W x H x D (below head)		24 x 18 x 50 with rectangular head, 18 x 18 x 50 with square or circular head			
Connection (2)			Tags for 2.8 x 0.5 Faston connectors or for soldering			
Type of push			<b>Spring return</b>			
			<b>Complete products</b>	<b>Products for user assembly</b>		
References	white		NO	<b>XB6DA11B</b>	<b>ZB6Z1B</b>	<b>ZB6DA1</b>
			NO + NC	<b>XB6DA15B</b>	<b>ZB6Z5B</b>	<b>ZB6DA1</b>
	black		NO	–	<b>ZB6Z1B</b>	<b>ZB6DA2</b>
			NO + NC	<b>XB6DA25B</b>	<b>ZB6Z5B</b>	<b>ZB6DA2</b>
	green		NO	<b>XB6DA31B</b>	<b>ZB6Z2B</b>	<b>ZB6DA3</b>
			NO + NC	<b>XB6DA35B</b>	<b>ZB6Z5B</b>	<b>ZB6DA3</b>
	red		NO	–	<b>ZB6Z1B</b>	<b>ZB6DA4</b>
			NO + NC	<b>XB6DA45B</b>	<b>ZB6Z5B</b>	<b>ZB6DA4</b>

(1) For products with a square head, replace the letter **D** in the reference by the letter **C** (XB6DA11B becomes XB6CA11B).

For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6DA11B becomes XB6AA11B).

(2) Alternative connection: 1 x 0.5 pins for printed circuit boards.



Ø 30 mushroom head Emergency stop pushbuttons (3)							
Type of head			<b>Trigger action (EN/ISO 13850)</b>				
Shape of head			cylindrical				
Type of push			<b>Turn to release</b>				
			<b>Complete products</b>	<b>Products for user assembly</b>			
References	red		2 NC + 1 NO	<b>XB6AS8349B</b>	<b>ZB6E2B</b>	<b>ZB6Z5B</b>	<b>ZB6AS834</b>
Type of push			<b>Key release, 200</b>				
References	red		2 NC + 1 NO	<b>XB6AS9349B</b>	<b>ZB6E2B</b>	<b>ZB6Z5B</b>	<b>ZB6AS934</b>

(3) Emergency stop trigger action and mechanical latching pushbuttons conform to standards EN/IEC 60204-1 and EN/ISO 13850, to Machinery Directive 2006/42/EC and to standard EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.



### Selector switches and key switches

Type of head		<b>Black handle</b>
Shape of head		rectangular (2)
Degree of protection		IP 66 / Nema 4, 4X, 13 / Class II
Mounting (mm)	panel cut-out mounting centres	$\varnothing 16.2^{+0.2}_0$
Dimensions (mm)	W x H x D (below head)	24 x 18 with rectangular head, 18 x 18 with square or circular head
Connection (3)		24 x 18 x 50 with rectangular head, 18 x 18 x 50 with square or circular head
		Tags for 2.8 x 0.5 Faston connectors or for soldering

Type of operator	Black handle	
	Complete products	Products for user assembly
Number and type of positions	<b>2 positions</b> stay put	<b>2 positions</b> stay put <b>2 positions</b> spring return to centre
References	NO <b>XB6DD221B</b> NO + NC <b>XB6DD225B</b>	ZB6Z1B ZB6DD22 ZB6Z1B ZB6DD24 ZB6Z5B ZB6DD22 ZB6Z5B ZB6DD24
Number and type of positions	<b>3 positions</b> stay put	<b>3 positions</b> stay put <b>3 positions</b> spring return to centre
References	NO <b>XB6DD235B</b>	ZB6Z5B ZB6DD23 ZB6Z5B ZB6DD25



Type of operator	Key, n° 200	
	Complete products	Products for user assembly
Number and type of positions	<b>2 positions</b> stay put	<b>2 positions</b> stay put <b>2 positions</b> spring return to centre
References	NO + NC <b>XB6DGC5B</b>	ZB6Z5B ZB6DGC ZB6Z5B ZB6DGB
Number and type of positions	<b>3 positions</b> stay put	<b>3 positions</b> stay put <b>3 positions</b> spring return to centre
References	NO + NC <b>XB6DGH5B</b>	ZB6Z5B ZB6DGH ZB6Z5B ZB6DGS

(1):

Voltage	Letter (●)
12...24 V AC/DC (15 mA)	B
48...120 V AC (25 mA)	G
230...240 V AC (25 mA)	M



### Illuminated selector switches

Type of operator	Coloured handle	
	Products for user assembly	
Number and type of positions		<b>2 positions</b> stay put <b>3 positions</b> stay put
References	white  NO + NC <b>ZB6E●1B</b> (1) <b>ZB6Z5B</b> green  NO + NC <b>ZB6E●3B</b> (1) <b>ZB6Z5B</b> red  NO + NC <b>ZB6E●4B</b> (1) <b>ZB6Z5B</b>	<b>ZB6DD02</b> <b>ZB6DD03</b> <b>ZB6DD02</b> <b>ZB6DD03</b> <b>ZB6DD02</b> <b>ZB6DD03</b> <b>ZB6YK1</b> <b>ZB6YK3</b> <b>ZB6YK4</b>

(1) Basic reference, to be completed by the letter B, G or M indicating the required voltage. See voltage table above.

(2) For products with a square head, replace the letter **D** in the reference by the letter **C** (XB6DD221B becomes XB6CD221B).

For products with a circular head, replace the letter **D** in the reference by the letter **A** (XB6DD221B becomes XB6AD221B).

(3) Alternative connection: 1 x 0.5 pins for printed circuit boards.