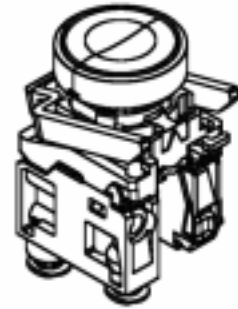


# ***Push-Buttons and Visual indicators***

*Catalogue PDOC00016GB01-ev*







- Facia mounted operator
- 3/2 NO or NC
- Pneumatic valves combinable with electrical switches
- Modular construction (up to 3 valves per pushbutton heads)
- Wide range of actuators






## Operating and additional information

Working pressure; PXB-B3••	1 to 9 bar	Connections	Ø4 mm straight Push-in as standard Ø4 mm swivel Push-in on request M5 on request
Working temperature	-15 °C to +60 °C		
<b>Flow PXB-B3••</b> (acc. to ISO 6358)	Qmax=60 l/min		

## Spring return pushbuttons

Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Pushbutton Black	Spring	7	50	0,077	<b>PXB-B3111BA2</b>
	Pushbutton Green	Spring	7	50	0,077	<b>PXB-B3111BA3</b>
	Pushbutton Red	Spring	7	50	0,077	<b>PXB-B3111BA4</b>
	Pushbutton Black	Spring	15	50	0,087	<b>PXB-B3251BA2</b>

## Mushroom head pushbuttons

Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Pushbutton Ø40 mm Black	Spring	7	50	0,122	<b>PXB-B3111BC2</b>
	Latching pushbutton Ø40 mm Red		45	50	0,125	<b>PXB-B3111BT4</b>
	Latching pushbutton Ø40 mm Red		47	50	0,125	<b>PXB-B3121BT4</b>

## Selector switches

Symbol	Actuator	Return	Flow NI/min	Weight kg	Order code
	Latching selector button 2 position, Black		50	0,092	<b>PXB-B3111BD2</b>
	Latching selector button 2 position, Black		50	0,102	<b>PXB-B3211BD2</b>
	Latching selector button 2 position, Black		50	0,102	<b>PXB-B3251BD2</b>
	Latching selector button 3 position, Black		50	0,102	<b>PXB-B3211BD3</b>
	Latching selector button 3 position, Black		50	0,102	<b>PXB-B3251BD3</b>
	Non latching selector button with long handle 3 position, black	Spring	50	0,103	<b>PXB-B3211BJ5</b>

## Switch bodies with operating head mounting

For use with ZB4-B operating heads.

Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Plunger	Spring	5,5	50	0,048	<b>PXB-B3111B</b>
	Plunger	Spring	7,5	50	0,048	<b>PXB-B3121B</b>

## Additional switch valves


For use with PBX-B3. switch bodies with operating head mounting

Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Plunger Straight connection	Spring	5,5	50	0,010	<b>PXB-B3911</b>
	Plunger Straight connection	Spring	7,5	50	0,010	<b>PXB-B3921</b>
	Plunger Swivel connection	Spring	5,5	50	0,015	<b>PXB-B3912</b>
	Plunger Swivel connection	Spring	7,5	50	0,015	<b>PXB-B3922</b>

## Electrical contact blocks

Connections	Type of contact	Weight kg	Order code
<p>Can be combined with pneumatic valve blocks, enabling pneumatic and electric signals to be provided from a single control unit.</p>	Normally open (NO) 	0,011	<b>ZBE-101</b>
	Normally closed (NC) 	0,011	<b>ZBE-102</b>




## Mounting block for valves and operating heads

Connections	For Metal head ZB4		For Plastic head ZB5	
	Weight kg	Order code	Weight kg	Order code
 <p><b>Mounting block for valves and operating heads:</b></p> <p>to make up a complete push button with one operating head and switch valves.</p>	0,038	<b>ZB4-BZ009</b>	0,006	<b>ZB5-BZ009</b>


## Operating heads

For use with PXB-B3. switch bodies


### Spring return pushbuttons

	Description	Colour	Metal head		Plastic Head	
			Weight kg	Order code	Weight kg	Order code
	Flush	Black	0,029	<b>ZB4-BA2</b>	0,018	<b>ZB5-AA2</b>
		Green	0,029	<b>ZB4-BA3</b>	0,018	<b>ZB5-AA3</b>
		Red	0,029	<b>ZB4-BA4</b>	0,018	<b>ZB5-AA4</b>
		6 color caps	0,029	<b>ZB4-BA9</b>	0,018	<b>ZB5-AA9</b>
	Projecting	Black	0,030	<b>ZB4-BL2</b>	0,019	<b>ZB5-AL2</b>
		Green	0,030	<b>ZB4-BL3</b>	0,019	<b>ZB5-AL3</b>
		Red	0,030	<b>ZB4-BL4</b>	0,019	<b>ZB5-AL4</b>
	Flush booted	Black	0,034	<b>ZB4-BP2</b>		




### Push/push pushbuttons

	Description	Colour	Metal head	
			Weight kg	Order code
	Flush	Black	0,029	<b>ZB4-BH02</b>
		Green	0,029	<b>ZB4-BH03</b>
		Red	0,029	<b>ZB4-BH04</b>



### Double headed spring return pushbuttons


	Description	Colour Marking	Metal head	
			Weight kg	Order code
	Flush	Green/Red 1/0	0,047	<b>ZB4-BA8234</b>

### Mushroom head pushbuttons


	Description	Function	Colour	Metal head		Plastic Head	
				Weight kg	Order code	Weight kg	Order code
	Ø40 mm mushroom head	Spring return	Black	0,074	<b>ZB4-BC2</b>		
			Green	0,074	<b>ZB4-BC3</b>		
			Red	0,074	<b>ZB4-BC4</b>		
		Latching push-pull	Red	0,077	<b>ZB4-BT4</b>		
	Ø60 mm mushroom head	Spring return	Black	0,093	<b>ZB4-BR2</b>		
	Ø40 mm mushroom head	Latching Turn to release	Red	0,070	<b>ZB4-BS54</b>	0,044	<b>ZB5-AS54</b>
		Latching Release by Ronis key N°455	Red	0,070	<b>ZB4-BS14</b>		

**Selector switches**


	Description	Function	Metal head		Plastic Head					
			Weight kg	Order code	Weight kg	Order code				
	Standard, black handle	2 positions	0,044	<b>ZB4-BD2</b>	0,024	<b>ZB5-AD2</b>				
		3 positions					0,044	<b>ZB4-BD3</b>	0,024	<b>ZB5-AD3</b>
		2 spring return to centre								
	Long black handle	2 positions	0,045	<b>ZB4-BJ2</b>						
		3 positions	0,045	<b>ZB4-BJ3</b>						
		Spring return to centre	0,045	<b>ZB4-BJ5</b>						
		1 spring return from left to centre	0,045	<b>ZB2-BJ7</b>						

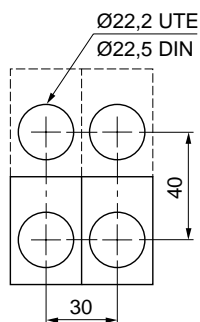
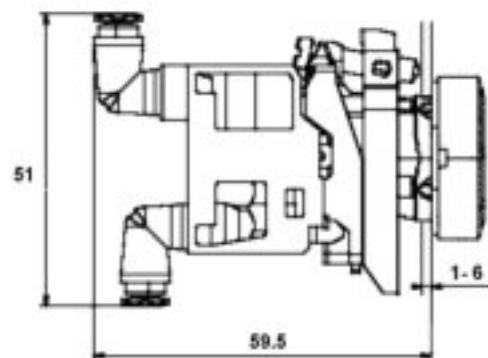
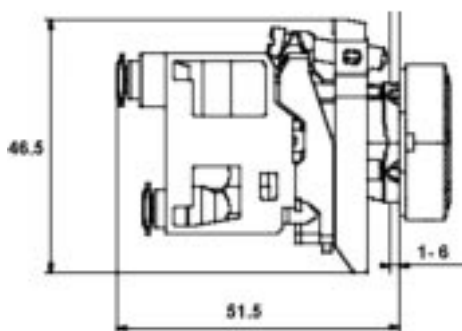
Description	Function	Key withdrawal	Weight kg	Order code	
	Key operated (Ronis N° 455)	2 stay put positions	Left	0,069	<b>ZB4-BG2</b>
			Left and right	0,069	<b>ZB4-BG4</b>

**Joystick controllers - 2 directions**

Description	Metal head	
	Weight kg	Order code
 1 stay put position in each direction	0,094	<b>ZD4-PA12</b>
1 position in each direction with spring return	0,094	<b>ZD4-PA22</b>

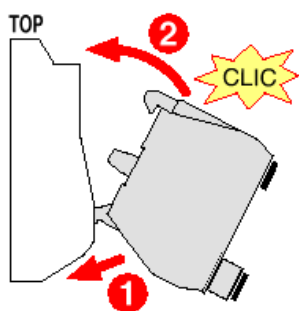
**Tools**

Description	Weight kg	Order code
 ZB5 head nut tools	0,160	<b>ZB5-AZ905</b>

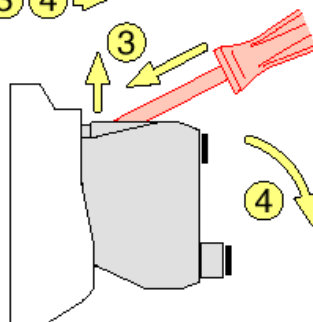


**Assembling of PXB-B3. valves on mounting block**

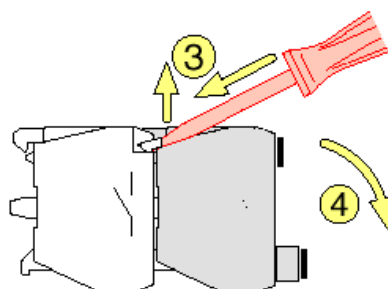
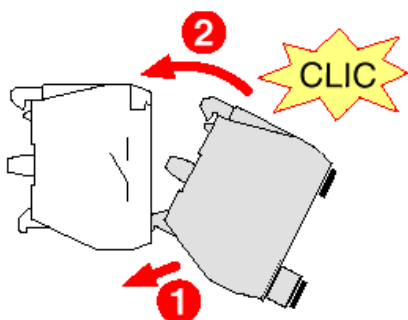
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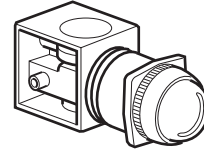
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**Assembling of PXB-B3. valves on the back of the electrical contact**



- Lightning fast response
- Simple long life mechanism
- Very high contrast
- All around visibility
- One single pipe connection
- Effective aid to diagnostics



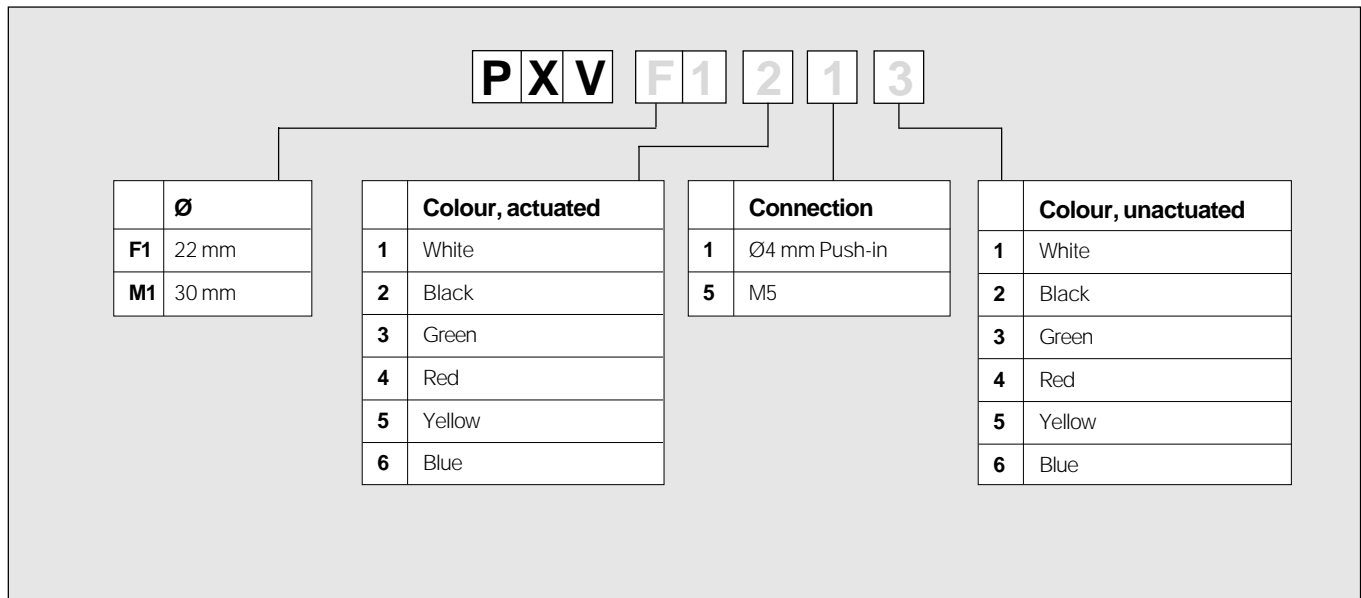
## Operating information

Working pressure                      1-8 bar  
 Working temperature                -15 °C to +60 °C

## Options and additional information


Connections                              Ø4 mm straight Push-in as standard

## Order key



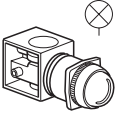
## Ø22 mm Visual Indicators

Black plastic bezel  
In the actuated mode

Symbol	Colour *	Weight Kg	Order code	D
	Green	0,080	<b>PXV-F131</b>	1
	Red	0,080	<b>PXV-F141</b>	1
	Yellow	0,080	<b>PXV-F151</b>	1
	Blue	0,080	<b>PXV-F161</b>	1
	White	0,080	<b>PXV-F111</b>	1


## Ø22 mm Visual Indicators

Black plastic bezel  
In the unactuated mode

Symbol	Colour *	Weight Kg	Order code	D
	Green	0,080	<b>PXV-F1213</b>	3
	Red	0,080	<b>PXV-F1214</b>	3
	Yellow	0,080	<b>PXV-F1215</b>	3
	Blue	0,080	<b>PXV-F1216</b>	3
	White	0,080	<b>PXV-F1211</b>	3

## Ø30 mm Visual Indicators

Chrome plated bezel  
In the unactuated mode

Symbol	Colour *	Weight Kg	Order code	D
	Green	0,085	<b>PXV-M131</b>	1
	Red	0,085	<b>PXV-M141</b>	3
	Yellow	0,085	<b>PXV-M151</b>	3

\* The pneumatic indicators are black in one position and coloured in the other.  
The coloured position corresponds either to the presence of pressure (actuated mode) or the absence of pressure (unactuated mode). For two different colours on the same indicator, please consult Technical Sales Department

### Ø22 mm visual indicators

PXV-F1\*\*

Minimum distance between centres

