



Push-Buttons and Visual indicators

*Catalogue no. PDE2587TCUK-ev
Edition: December 2006*



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SALE CONDITIONS

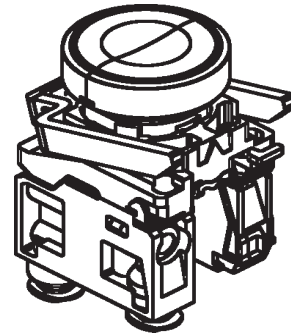
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Visual indicators

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



Operating and additional information

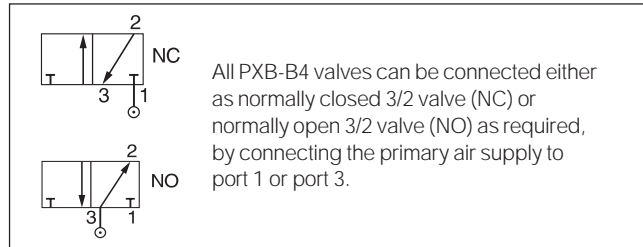
Working pressure
 PXB-B3•• 1 to 9 bar
 PXB-B4•• 1 to 10 bar

Working temperature -15 °C to +60 °C

Flow
 (acc. to ISO 6358)
PXB-B3•• Q_{max}=60 l/min
 Q_n = 30 l/min

PXB-B4•• Q_{max}=240 l/min
 Q_n = 120 l/min

Connections Ø4 mm straight Push-in as standard
 Ø4 mm swivel Push-in on request
 M5 on request





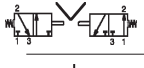
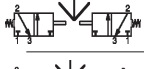
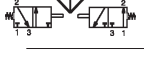
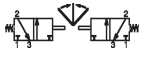
Spring return pushbuttons - Metal head version - Ø 4 mm straight fittings

Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Pushbutton Black	Spring	8,5 6,0	60 240	0,077 0,082	PXB-B3111BA2 PXB-B4131BA2
	Pushbutton Green	Spring	8,5 6,0	60 240	0,077 0,082	PXB-B3111BA3 PXB-B4131BA3
	Pushbutton Red	Spring	8,5 6,0	60 240	0,077 0,082	PXB-B3111BA4 PXB-B4131BA4
	Pushbutton Black	Spring	16,5 14,0	60 240	0,087 0,092	PXB-B3251BA2 PXB-B4231BA2

Mushroom head pushbuttons - Metal head version - Ø 4 mm straight fittings



Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Pushbutton Ø40 mm Black	Spring	12 6,5	60 240	0,122 0,127	PXB-B3111BC2 PXB-B4131BC2
	Latching pushbutton Ø40 mm Red		48 42,5	60 240	0,125 0,127	PXB-B3111BT4 PXB-B4131BT4
	Latching pushbutton Ø40 mm Red		49 43,5	60 240	0,125 0,127	PXB-B3121BT4 PXB-B4131BT4

Selector switches - Metal head version - Ø 4 mm straight fittings

Symbol	Actuator	Return	Flow NI/min	Weight kg	Order code
	Latching selector button 2 positions, Black		60	0,092	PXB-B3111BD2
			240	0,097	PXB-B4131BD2
	Latching selector button 2 positions, Black		60	0,102	PXB-B3211BD2
			240	0,107	PXB-B4231BD2
	Latching selector button 2 positions, Black		60	0,102	PXB-B3251BD2
			240	0,107	PXB-B4231BD2
	Latching selector button 3 positions, Black		60	0,102	PXB-B3211BD3
			240	0,107	PXB-B4231BD3
	Latching selector button 3 positions, Black		60	0,102	PXB-B3251BD3
			240	0,107	PXB-B4231BD3
	Non latching selector button with long handle 3 positions, Black	Spring	60	0,103	PXB-B3211BJ5
			240	0,108	PXB-B4231BJ5





Switch bodies with operating metal head mounting - Ø 4 mm straight fittings

For use with ZB4 operating heads



Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Plunger	Spring	7	60	0,048	PXB-B3111B
			4,5	240	0,053	PXB-B4131B
	Plunger	Spring	8	60	0,048	PXB-B3121B
			4,5	240	0,053	PXB-B4131B

Additional switch valves - Ø 4 mm straight fittings

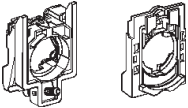
For use with ZB4 and ZB5 operating heads and mounting blocks

Symbol	Actuator	Return	Operating force at 6 bar, N	Flow NI/min	Weight kg	Order code
	Plunger Straight connection	Spring	7	60	0,010	PXB-B3911
			4,5	240	0,015	PXB-B4931
	Plunger Straight connection	Spring	8	60	0,010	PXB-B3921
			4,5	240	0,015	PXB-B4931
	Plunger Swivel connection	Spring	7	60	0,015	PXB-B3912
			4,5	240	0,021	PXB-B4932
	Plunger Swivel connection	Spring	8	60	0,015	PXB-B3922
			4,5	240	0,021	PXB-B4932

Electrical contact blocks

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




Mounting block for valves and operating heads

	Description	For Metal head ZB4		For Plastic head ZB5	
		Weight kg	Order code	Weight kg	Order code
	Mounting block for valves and operating heads: to make up a complete push button with one operating head and switch valves.	0,038	ZB4-BZ009	0,006	ZB5-AZ009


Operating heads

For use with PXB-B3. and PXB-B4. switch bodies


Spring return pushbuttons

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




Push/push pushbuttons

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

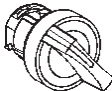
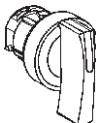
Double headed spring return pushbuttons


	Description	Colour Marking	Metal head	
			Weight kg	Order code
	Flush	Green/Red I/O	0,047	ZB4-BA8234

Mushroom head pushbuttons

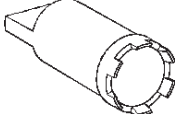
	Description	Function	Colour	Metal head		Plastic Head	
				Weight kg	Order code	Weight kg	Order code
	Ø40 mm Mushroom head	Spring return	Black	0,074	ZB4-BC2		
			Green	0,074	ZB4-BC3		
			Red	0,074	ZB4-BC4		
		Latching push-pull	Red	0,077	ZB4-BT4		
	Ø60 mm Mushroom head	Spring return	Black	0,093	ZB4-BR2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

Selector switches

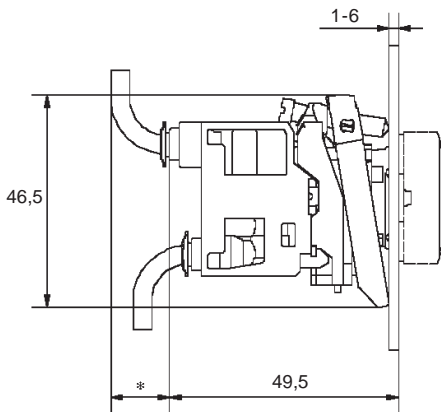
	Description	Function	Metal head		Plastic Head		
			Weight kg	Order code	Weight kg	Order code	
	Standard, black handle	2 positions	Stay put	0,044	ZB4-BD2	0,024	ZB5-AD2
		3 positions	Stay put	0,044	ZB4-BD3	0,024	ZB5-AD3
		3 spring return to centre		0,044	ZB4-BD5	0,024	ZB5-AD5
	Long black handle	2 positions	Stay put	0,045	ZB4-BJ2		
		3 positions	Stay put	0,045	ZB4-BJ3		
			Spring return to centre	0,045	ZB4-BJ5		
		1 spring return from left to centre	0,045	ZB4-BJ7			

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

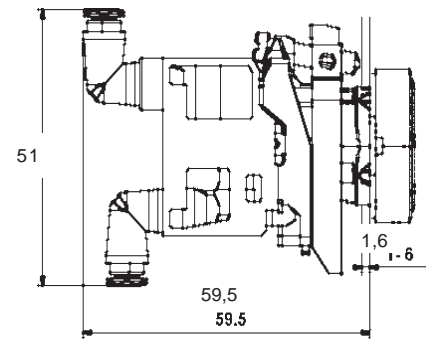
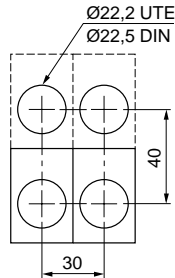
Tools

	Description	Weight kg	Order code
	ZB5 head nut tools	0,160	ZB5-AZ905

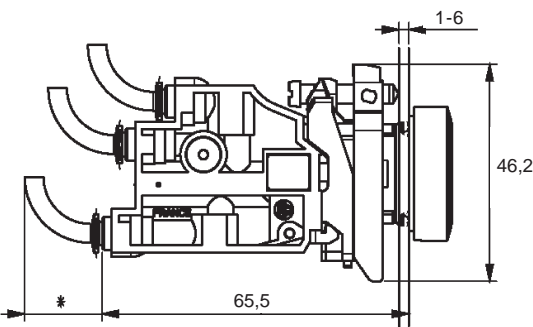
PXB-B3



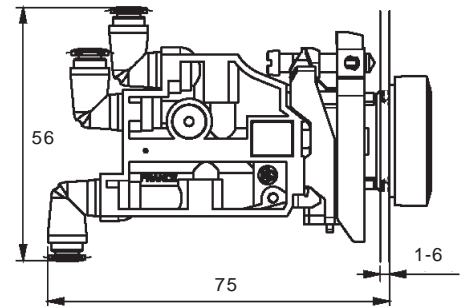
Body width 30 mm
 * With 2 x 4 mm tube = 10
 With 2,7 x 4 mm tube = 15



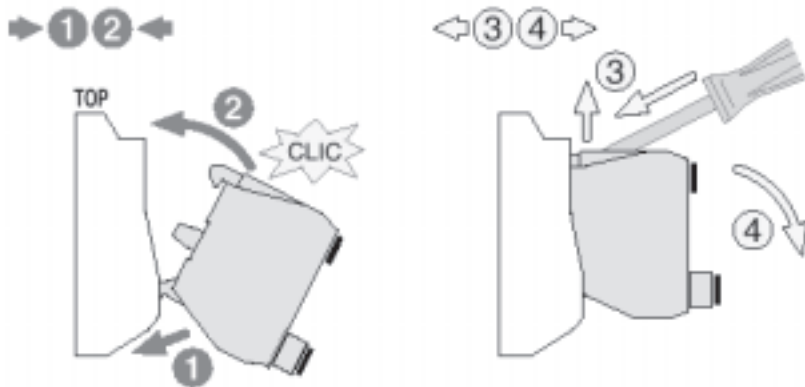
PXB-B4



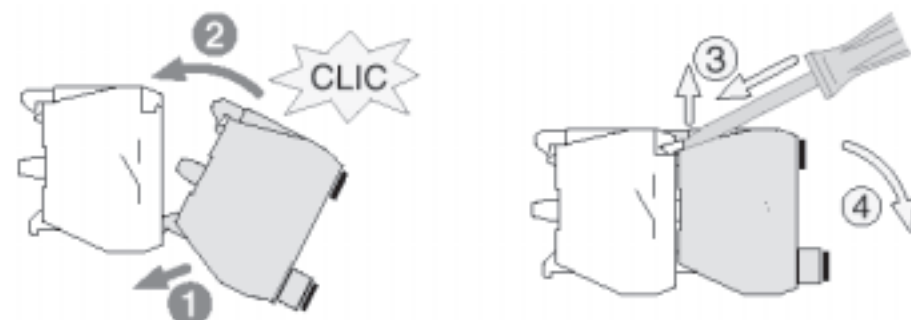
Body width 30 mm
 * With 2 x 4 mm tube = 10
 With 2,7 x 4 mm tube = 15



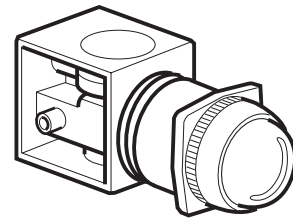
Assembling of PXB-B3. and PXB-B4. valves on mounting block



Assembling of PXB-B3. and PXB-B4. 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



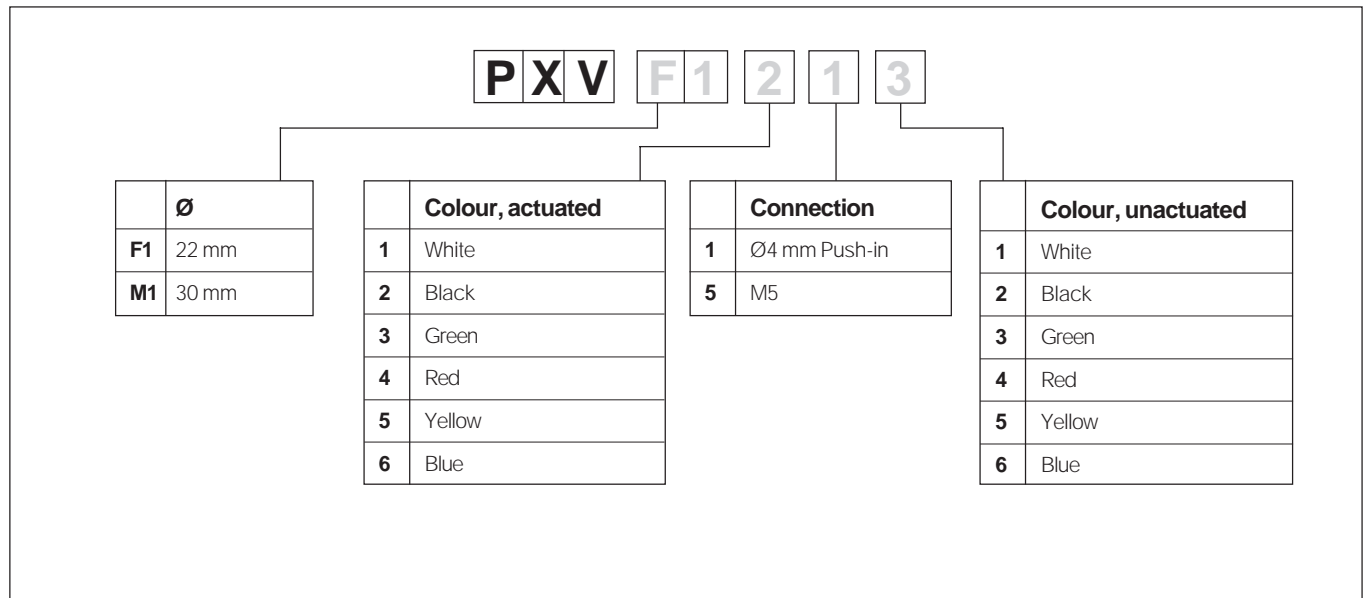
Operating information

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

Options and additional information

Connections Ø4 mm straight Push-in
 as standard

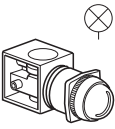
Order key



Ø22 mm Visual Indicators

Black plastic bezel


In the actuated mode

Symbol	Colour *	Weight kg	Order code
	Green	0,080	PXV-F131
	Red	0,080	PXV-F141
	Yellow	0,080	PXV-F151
	Blue	0,080	PXV-F161
	White	0,080	PXV-F111

Ø22 mm Visual Indicators

Black plastic bezel

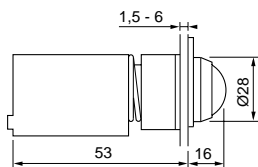
In the unactuated mode

Symbol	Colour *	Weight kg	Order code
	Green	0,080	PXV-F1213
	Red	0,080	PXV-F1214
	Yellow	0,080	PXV-F1215
	Blue	0,080	PXV-F1216
	White	0,080	PXV-F1211

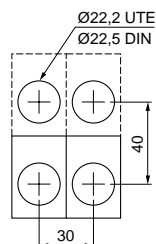
* The pneumatic indicators are black in one position and coloured in the other.
The coloured position corresponds either to the presence of pressure (actuated mode) or the absence of pressure (unactuated mode). For two different colours on the same indicator, please consult Technical Sales Department

Ø22 mm visual indicators

PXV-F1**



Minimum distance between centres



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Fax: +420 2 4 083 112

Denmark - Ballerup

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Finland - Vantaa

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Fax: +358 9 4767 3200

France - Contamine

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Fax : +33 4 50 25 24 25

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