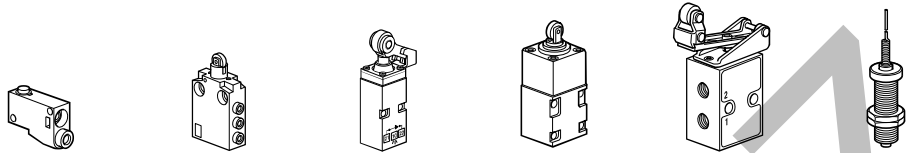


Limit Switches and Bleed Sensors

Limit switches Control and process only	Bleed Sensors
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Series	Miniature	Compact	K-series	J-series	M43	PXF
Connection, * Push-in	Ø4*	Ø4*	Ø4* or M5	Ø4*	M5	Ø4* or M5
Flow at 6 bar, Qn l/s Qmax l/s Cv	1	4,2	2	3,5	1 1,89 0,127	3
Pipeable exhaust		No	Yes	No	Yes	No
Working temperature	-15 to +60°C	-15 to +60°C	-15 to +60°C	-15 to +60°C	-10 to +80°C	-15 to +60°C
Pneumatic switching	3/2 NC	3/2 NC	3/2 NC 3/2 NO	3/2 NC 3/2 NO	3/2 NC	
Construction material	Zinc die cast	Zinc die cast	Zinc die cast	Turrethead Zinc die cast, brass	Zinc die cast	Brass
Interchangeable with electrical version		Yes	Yes	Yes		
Actuator type						
Air hydraulic oil, fresh water, brine						
Plunger	●	●	●	●	●	
Roller		●		●	●	
Roller plunger		●	●	●		
Roller lever	●		●		●	
Whisker			●	●		
Variable offset lever			●	●		
Ball operated						
Cam				●		
Refer to page	5	5	6	8	15	16

3/2 limit switches “J series”







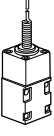


With **Ø4 mm Push-in connections** (M5 or G1/8 on request)

With pipeable exhaust port

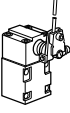




Snap action and low operating force

Bore Ø3 mm

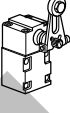



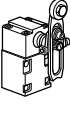




With plunger head

	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight kg	Order code
		Steel plunger	Spring	16	0,515	PXC-J11161
		Steel plunger	Spring	16	0,515	PXC-J12161
		Steel roller plunger	Spring	16	0,525	PXC-J11162
		Steel roller plunger	Spring	16	0,525	PXC-J12162
		Whisker	Spring	16	0,510	PXC-J11170
		Whisker	Spring	16	0,510	PXC-J12170

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, N	Weight kg	Order code
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1110151
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1210151
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1110551
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1210551

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, N	Weight kg	Order code
		Delrin roller lever	Right AND left	Spring	0,25	0,565	PXC-J1110111
				Spring	0,25	0,565	PXC-J1210111
		Delrin roller lever	Right OR left	Spring	0,25	0,565	PXC-J1110511
				Spring	0,25	0,565	PXC-J1210511
		Variable length lever with thermoplastic roller	Right AND left	Spring	0,25	0,580	PXC-J1110131
				Spring	0,25	0,580	PXC-J1210131
		Variable length lever with thermoplastic roller	Right OR left	Spring	0,25	0,580	PXC-J1110531
				Spring	0,25	0,580	PXC-J1210531

3/2 limit switches “J series”










With G1/8 connection

With pipeable exhaust port






Snap action and low operating force

Bore Ø3 mm











With plunger head

	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight kg	Order code
		Steel plunger	Spring	16	0,515	PXC-J11861
		Steel plunger	Spring	16	0,515	PXC-J12861
		Steel roller plunger	Spring	16	0,525	PXC-J11862
		Steel roller plunger	Spring	16	0,525	PXC-J12862
		Whisker	Spring	16	0,510	PXC-J11870
		Whisker	Spring	16	0,510	PXC-J12870

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight kg	Order code
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1180151
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1280151
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1180551
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1280551

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight kg	Order code
		Delrin roller lever	Right AND left	Spring	0,25	0,565	PXC-J1180111
				Spring	0,25	0,565	PXC-J1280111
		Delrin roller lever	Right OR left	Spring	0,25	0,565	PXC-J1180511
				Spring	0,25	0,565	PXC-J1280511
		Variable length lever with thermoplastic roller	Right AND left	Spring	0,25	0,580	PXC-J1180131
				Spring	0,25	0,580	PXC-J1280131
		Variable length lever with thermoplastic roller	Right OR left	Spring	0,25	0,580	PXC-J1180531
				Spring	0,25	0,580	PXC-J1280531



3/2 limit switches “J series”





With Ø4 mm Push-in connections





Bore Ø3 mm

Pneumatic switch bodies*

For use in association with all **ZC2-JC** operating heads

Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight kg	Order code
	-	Spring	16	0,320	PXC-J111
	-	Spring	16	0,320	PXC-J121

Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight kg	Order code
	-	Right AND left	Spring	0,05	0,535	PXC-J11101
	-	Right AND left	Spring	0,05	0,535	PXC-J12101
	-	Right OR left	Spring	0,05	0,535	PXC-J11105
	-	Right OR left	Spring	0,05	0,535	PXC-J12105

Actuator	Weight kg	Order code
 Steel roller lever	0,040	ZC2-JY13
 Spring plastic rod	0,040	ZC2-JY81
 Spring metal rod	0,040	ZC2-JY91
 Variable length lever with delrin roller	0,050	ZC2-JY41

* The switch bodies are available with G1/8 threaded connection. Replace the 3rd digit in the reference by 8. Example PXC-J11861



3/2 limit switches “J series”





With G1/8 connection





Bore Ø3 mm

Pneumatic switch bodies*

For use in association with all **ZC2-JC** operating heads

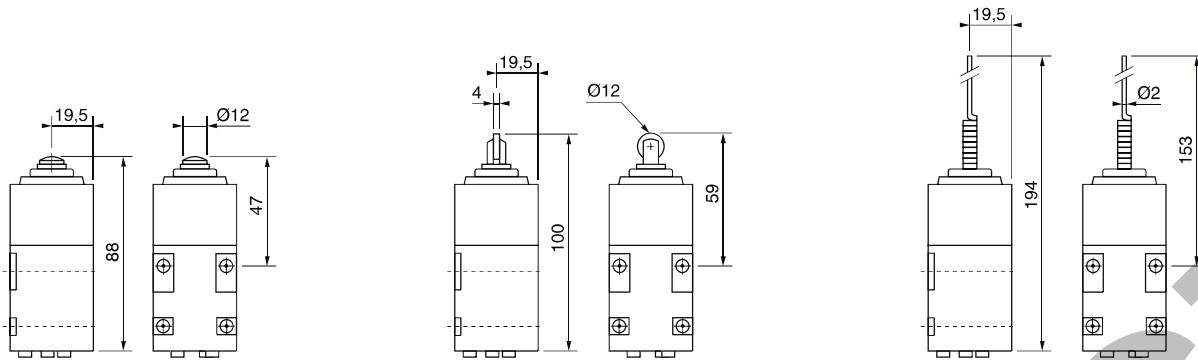
Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight kg	Order code
	-	-	16	0,320	PXC-J118
	-	-	16	0,320	PXC-J128

Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight kg	Order code
	-	Right AND left	Spring	0,05	0,535	PXC-J11801
	-	Right AND left	Spring	0,05	0,535	PXC-J12801
	-	Right OR left	Spring	0,05	0,535	PXC-J11805
	-	Right OR left	Spring	0,05	0,535	PXC-J12805

Actuator	Weight kg	Order code
 Steel roller lever	0,040	ZC2-JY13
 Spring plastic rod	0,040	ZC2-JY81
 Spring metal rod	0,040	ZC2-JY91
 Variable length lever with delrin roller	0,050	ZC2-JY41

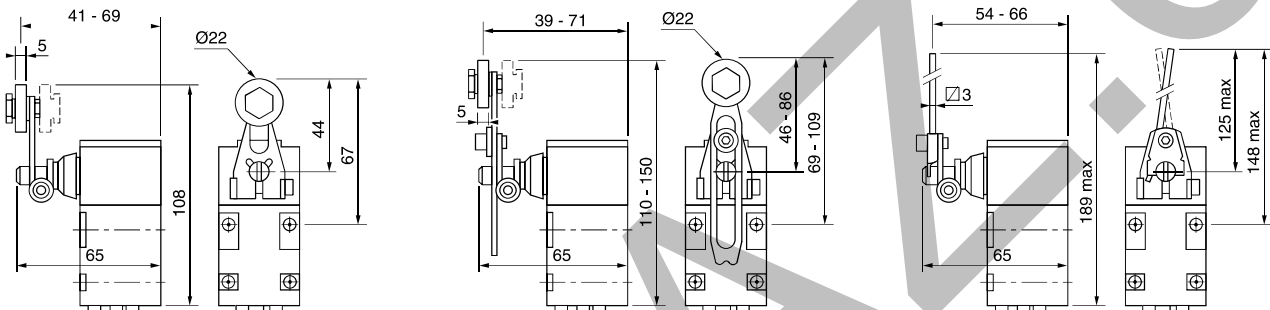
With plunger heads

PXC-J11161, PXC-J12161 PXC-J11162, PXC-J12162 PXC-J11170, PXC-J12170



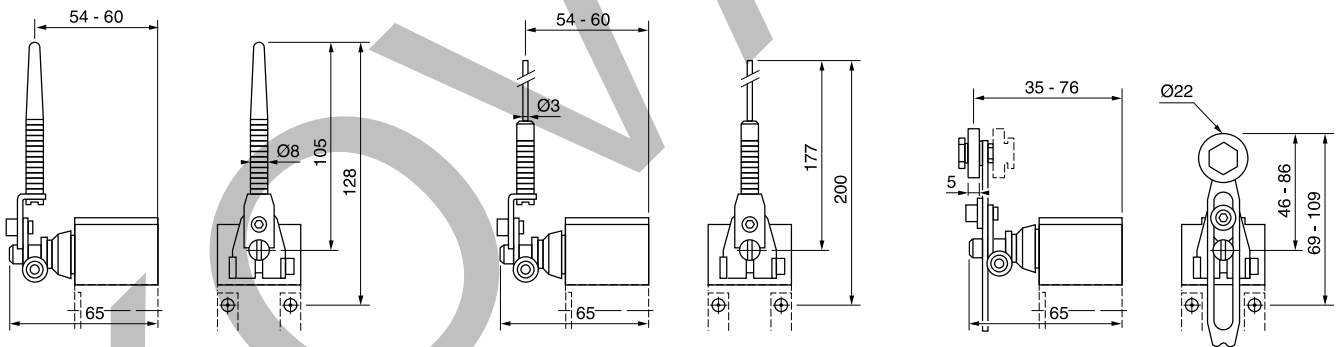
With rotary heads and operating levers

PXC-J1110111, J1210111, J1110511, J1210511 PXC-J1110131, J1210131, J1110531, J1210531 PXC-J1110151, J1210151, J1110551, J1210551



With rotary heads and operating levers

ZC2-JY81 ZC2-JY91 ZC2-JY41



Pneumatic switch bodies

PXC-J111, PXC-J121

