

High speed poppet type solenoid valves with individual electrical connections. Light weight plastic bodies with DIN rail manifold. Ideal for cabinet installations.

- High speed poppet valve
- Push-in connection
- Built-in terminal block
- Pneumatic output indicator
- DIN rail mounting






Poppet valve, not suitable for use with Soft or Slow start Valves. When pressure is applied, the double solenoid interface takes a pre-determined position (non activated). In the absence of electrical signal, output 2 (yellow indicator) is activated, output 4 (red indicator) is non activated. Double solenoid version is delivered as standard with Non locking flush override.

**Operating information**

Working pressure;	
3/2 and 4/2:	3-8 bar
Low pressure interface 3/2:	1-8 bar
Flow (Qmax):	200 l/min
Working temperature	-15 °C to +60 °C
For more information see <a href="http://www.parker.com/euro_pneumatic">www.parker.com/euro_pneumatic</a>	

**Head and tail sets - intermediate supply modules**

For 3/2 and 4/2 interface modules

	Description	Characteristics	Pneumatic connection	Weight (g)	Order code
	Set for single air supply connection	1 electrical common terminal 1 main air supply port 1 exhaust port	Push-in Ø 6 mm  G1/8	100  100	<b>PS1-E101</b>  <b>PS1-E1018</b>
	Set for double air supply connection	1 electrical common terminal 2 main air supply ports 2 exhaust ports	Push-in Ø 6 mm  G1/8	125  125	<b>PS1-E102</b>  <b>PS1-E1028</b>
	Intermediate air supply module	1 air supply port 1 exhaust port <i>(see description below)</i>	G1/8	45	<b>PS1-E1038</b>

Incorporating an intermediate air supply module into a group of electro-pneumatic modules gives the following options :

**Air supply connection**

- Additional G1/8 port to supplement the air supply to the manifold
- Blank the common air supply, enabling different pressures to be supplied to groups of modules within the manifold.

**Exhaust connection**








- Additional exhaust flow through the G1/8 port
- Blank the common exhaust, enabling separation of exhaust from module groups

The intermediate air supply module is supplied with 4 interchangeable connectors to enable the above supply options to be achieved.

**Electro-pneumatic modules**

Modules without solenoid valve


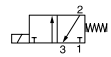
Visual indication of pneumatic output status : Closed = Red      Open = Yellow

	Symbol function	Description	Pneumatic connection	Weight (g)	Order code
		3/2 normally closed (NC)	Push-in Ø 4 mm	52	<b>PS1-E111</b>
			M5	55	<b>PS1-E115</b>
			Push-in Ø 6 mm	55	<b>PS1-E116</b>
		3/2 normally open (NO)	Push-in Ø 4 mm	52	<b>PS1-E121</b>
			M5	55	<b>PS1-E125</b>
			Push-in Ø 6 mm	55	<b>PS1-E126</b>
		4/2 single solenoid / spring return	Push-in Ø 4 mm	120	<b>PS1-E181</b>
			M5	120	<b>PS1-E185</b>
			Push-in Ø 6 mm	125	<b>PS1-E186</b>
		4/2 double solenoid	Push-in Ø 4 mm	120	<b>PS1-E191</b>
			M5	120	<b>PS1-E195</b>
			Push-in Ø 6 mm	125	<b>PS1-E196</b>

**Low pressure Electro-Pneumatic modules 3/2 (1 to 8 bar)**








Modules without solenoid valve

Visual indication of pneumatic output status : Closed = Red Open = Yellow

	Symbol	Description	Pneumatic connection	Weight (g)	Order code
		3/2 normally closed (NC)	Push-in Ø 4 mm	52	<b>PS1-E311</b>
			M5	52	<b>PS1-E315</b>
			Push-in Ø 6 mm	52	<b>PS1-E316</b>

**15mm DIN Form C (8mm spacing) pilot solenoid valve**



For use with Valve module

	Manual Overrides		Flush (Not Extended)		Extended							
	Without Manual Override	Order code	Blue Override, non locking	Order code	Yellow Override, Locking	Order code						
 Pins/Air Same (Pins DOWN)	Voltage	W (g)										
	12 Vdc	38		<b>P2E-KS32B0</b>	Blue Override, non locking	<b>P2E-KS32B1</b>	Yellow Override, Locking	<b>P2E-KS32B2</b>	Blue Override, non locking	<b>P2E-KS32B3</b>	Yellow Override, Locking	<b>P2E-KS32B4</b>
	24 Vdc	38		<b>P2E-KS32C0</b>	Blue Override, non locking	<b>P2E-KS32C1</b>	Yellow Override, Locking	<b>P2E-KS32C2</b>	Blue Override, non locking	<b>P2E-KS32C3</b>	Yellow Override, Locking	<b>P2E-KS32C4</b>
	48 Vdc	38		<b>P2E-KS32D0</b>	Blue Override, non locking	<b>P2E-KS32D1</b>	Yellow Override, Locking	<b>P2E-KS32D2</b>	Blue Override, non locking	<b>P2E-KS32D3</b>	Yellow Override, Locking	<b>P2E-KS32D4</b>
	24 Vac 50Hz	38		<b>P2E-KS31C0</b>	Blue Override, non locking	<b>P2E-KS31C1</b>	Yellow Override, Locking	<b>P2E-KS31C2</b>	Blue Override, non locking	<b>P2E-KS31C3</b>	Yellow Override, Locking	<b>P2E-KS31C4</b>
	48 Vac 50/60Hz	38		<b>P2E-KS34D0</b>	Blue Override, non locking	<b>P2E-KS34D1</b>	Yellow Override, Locking	<b>P2E-KS34D2</b>	Blue Override, non locking	<b>P2E-KS34D3</b>	Yellow Override, Locking	<b>P2E-KS34D4</b>
	115 Vac 50Hz	38		<b>P2E-KS31F0</b>	Blue Override, non locking	<b>P2E-KS31F1</b>	Yellow Override, Locking	<b>P2E-KS31F2</b>	Blue Override, non locking	<b>P2E-KS31F3</b>	Yellow Override, Locking	<b>P2E-KS31F4</b>
	120 Vac 60 Hz											
	230 Vac 50Hz											
	240 Vac 60 Hz	38		<b>P2E-KS31J0</b>	Blue Override, non locking	<b>P2E-KS31J1</b>	Yellow Override, Locking	<b>P2E-KS31J2</b>	Blue Override, non locking	<b>P2E-KS31J3</b>	Yellow Override, Locking	<b>P2E-KS31J4</b>

Mounting screws included with the valve module

**Suppressor and LED indicators**


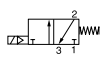

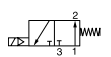

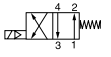

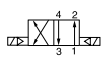
For 8 mm solenoid pin spacing - For mounting between the valve body and the 15 mm pilot solenoid valve

	Symbol	Description	Pneumatic connection	Weight (g)	Order code
		LED indicator	24 VAC/DC	3	<b>P8V-CR26C</b>
			115 VAC 50 Hz - 120 VAC 60 Hz	3	<b>P8V-CR24F</b>
			230 VAC 50 Hz - 240 VAC 60 Hz	3	<b>P8V-CR24J</b>

**Electro-pneumatic modules**

Modules including 24 VDC solenoid valve - Flush non locking manual override (using P2E-KS32C1 solenoid)

Visual indication of pneumatic output status : Closed = Red Open = Yellow

	Symbol	Description	Manual override	Pneumatic connection	Weight (g)	Order code
		3/2 normally closed (NC) Spring return		Push-in Ø 4 mm 90		PS1-E21102B
		3/2 normally open (NO) Spring return		Push-in Ø 4 mm	90	<b>PS1-E22102B</b>
		4/2 single solenoid / spring return		Push-in Ø 4 mm	160	<b>PS1-E28102B</b>
		4/2 double solenoid	-	Push-in Ø 4 mm	200	<b>PS1-E29102B</b>


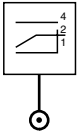
**Maintenance avertissement - Solenoid pin spacing**



The electro-pneumatic interface modules have been re-designed to accept both 8 mm and 9,4 mm solenoid pin spacing. If you are purchasing a solenoid or a suppressor & LED indicator for maintenance on an electro-pneumatic interface module purchased before June 2004, above solenoid P2E-KS3xxx and P8V-CRxxx (8 mm pin spacing) will not be compatible. Please, contact your Parker customer service.

**Accessories : Pressure switch**

With Ø4 push in connection (pneumatic input)  
 With electrical terminals 1,5 mm<sup>2</sup> (electric output)

Type	Symbol	Electrical characteristics	Pneumatic characteristics	Override	Weight (g)	Order code
		Pressure switch 1 CO contact 5 A/250 V	Fixed operating threshold < 1,3 bar	Manual override	50	<b>PS1-P1081</b>
			Adjustable operating threshold 2 to 5 bar	Manual override	50	<b>PS1-P1091</b>

**Technical characteristics : Pressure switch**

- Effective detection for preventing hazardous risks linked with equipments operating at to low pressure
- Manual override
- Easy clip on DIN rail mounting
- Fixed or adjustable threshold versions
- Recessed Electrical Terminals

Working pressure	Max 10 bar
Working temperature	-15 °C to +60 °C
Minimum actuating pressure, non adjustable	≤1,3 bar
Minimum actuating pressure, adjustable 2 to 5 bar	
Operating frequency	Max 10 Hz
Nominal isolation voltage	660 V AC or DC
Nominal thermal current	10 A
Operating voltage	250 V
Pending current	5 A
Protection level	IP 40
According Power switches (inductive load)	

**Electrical durability**

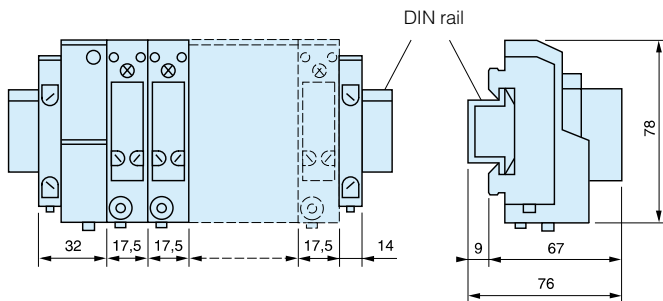
	24 VAC	48 VAC	115 VAC	24 VDC	48 VDC	115 VDC
1 million	25 VA	56 VA	115 VA	24 W	37 W	50 W
2 million	-	-	-	14 W	25 W	40 W
5 million	10 VA	14 VA	19 VA	-	-	-

**Dimensions, PS1 valve Series**

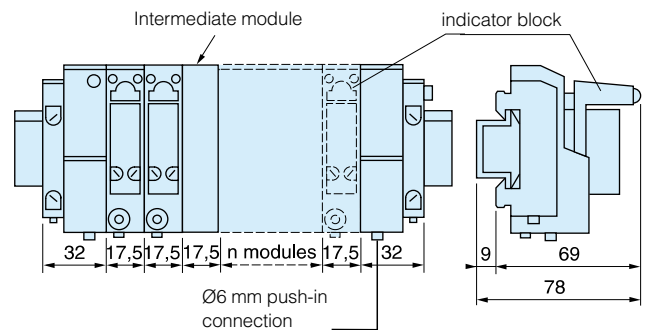
**Electropneumatic interface modules 3/2 NC or NO**

3/2 modules equipped with solenoid  
 Head and tail set for single air supply connection

3/2 modules equipped with solenoid, suppressor and LED indicator  
 Head and tail set for double air supply connection



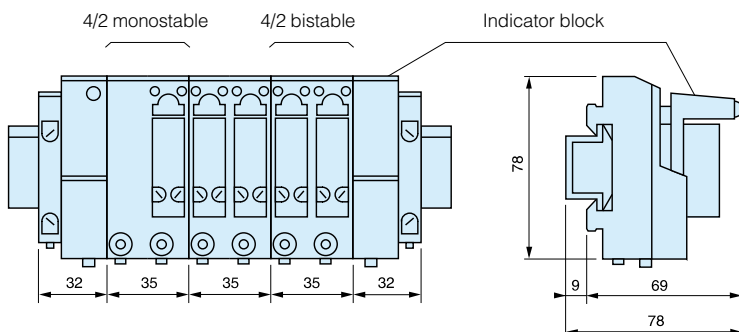
**Total length (mm)**  
 $L = 46 + (n \times 17,5)$   
 n = number of modules



**Total length (mm)**  
 $L = 64 + (n \times 17,5)$   
 n = number of modules

**Electropneumatic interface modules 4/2 single or double solenoid**

4/2 modules equipped with solenoid, suppressor and LED indicator  
 Head and tail set for double air supply connection



**Total length (mm)**  
 $L = 64 + (n \times 35)$   
 n = number of modules