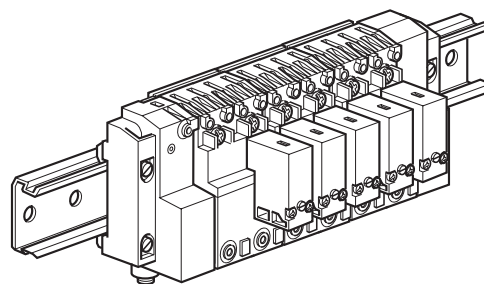


PS1 Modular Interface Valves



- High speed poppet valve
- Push-in connection
- High Performance 1.5 mm Solenoid [®]
- Built-in terminal block
- Pneumatic output indicator
- DIN rail mounting



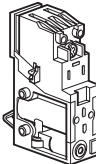
Operating information

Working pressure:	
3/2 and 4/2:	3-8 bar
Low pressure interface 3/2:	1-8 bar
Solenoid valve:	0-10 bar
Flow at 6 bar	200 Nl/min
Kv	2
Working temperature	-15 °C to +60 °C
Utilisation rating	100%

Poppet valve, not suitable for use with Soft or Slow start Valves. When pressure is applied, the bistable 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. Bistable version is delivered as standard with Non locking flush override.

Electro-Pneumatic modules 3/2

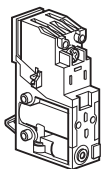
Modules without solenoid valve*

Symbol	Conn- ection	Actuator	Return	Signal pressure min, bar at 6 bar actua./return	Changeover time, ms at 6 bar actua./return	Weight Kg	Order code	D
		Push-in Electric Ø4mm	Spring	4,2/1,8	10/15	0,052	PS1-E111	1
		Visual indication of pneumatic output (NC) red						
		M5 Electric	Spring	4,2/1,8	10/15	0,055	PS1-E115	3
		Visual indication of pneumatic output (NC) red						
		Push-in Electric Ø6mm	Spring	4,2/1,8	10/15	0,055	PS1-E116	1
		Visual indication of pneumatic output (NC) red						
		Push-in Electric Ø4mm	Spring	4,2/1,8	10/15	0,052	PS1-E121	1
		Visual indication of pneumatic output (NO) yellow						
		M5 Electric	Spring	4,2/1,8	10/15	0,055	PS1-E125	3
		Visual indication of pneumatic output (NO) yellow						
		Push-in Electric Ø6mm	Spring	4,2/1,8	10/15	0,055	PS1-E126	1
		Visual indication of pneumatic output (NO) yellow						

* To obtain a complete Electro-Pneumatic interface module, order:
1 module without solenoid valve (e.g.: PS1-E121) + 1 solenoid valve (e.g.: PS1-E2302B)

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

Modules without solenoid valve*

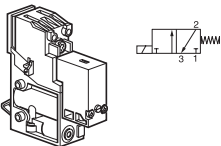
	Symbol	Conn- ection	Actuator	Return	Signal pressure min, bar at 6 bar actua./return	Changeover time, ms at 6 bar actua./return	Weight Kg	Order code	D	
		Push-in	Electric	Spring	2,4/1,1	10/20	0,052	PS1-E311	3	
		Ø4 mm								
		Visual indication of pneumatic output (NC) red								
		M5	Electric	Spring	2,4/1,1	10/20	0,052	PS1-E315	3	
		Visual indication of pneumatic output (NC) red								
		Push-in	Electric	Spring	2,4/1,1	10/20	0,055	PS1-E316	3	
	Ø6 mm									
	Visual indication of pneumatic output (NC) red									

Electro-Pneumatic modules 3/2

With solenoid valve, output with Ø4 mm Push-in connection **

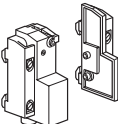
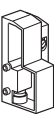
Visual indication of pneumatic output (NC) red

Spring return manual override, module width 17,5 mm

Symbol	Actuator	Return	Signal pressure min, bar at 6 bar actua./return	Changeover time, ms at 6 bar actua./return	Weight Kg	Voltage	Order code	D
	Electric	Spring	4,2/1,8	10/15	0,095	24 VDC	PS1-E21102B	1

Head and tail sets - intermediate supply modules

For 3/2 and 4/2 interface modules

	Description	Pneumatic connection	Characteristics	Weight Kg	Order code	D
	Set for single air supply connection	Push-in Ø 6 mm	1 electrical common terminal 1 main air supply port 1 exhaust port	0,100	PS1-E101	1
		G1/8		0,100	PS1-E1018	3
	Set for double air supply connection	Push-in Ø 6 mm	1 electrical common terminal 2 main air supply ports 2 exhaust ports	0,125	PS1-E102	1
		G1/8		0,125	PS1-E1028	3
	Intermediate air supply module	Threaded G1/8	1 air supply port 1 exhaust port (see description below) *	0,125	PS1-E1038	1

* To obtain a complete Electro-Pneumatic interface module, order:

1 module without solenoid valve (e.g.: PS1-E121) + 1 solenoid valve (e.g.: PS1-E2302B)

** Available in other type of connections, please contact Technical Sales Department

Incorporating an intermediate 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

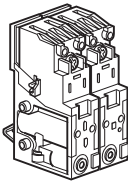
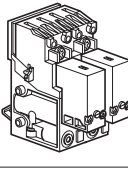
- Blank the common exhaust, enabling separation of exhaust from module groups

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

Electro-Pneumatic modules 4/2 *

Modules without solenoid valve

Visual indication of pneumatic output (NC) red and (NO) yellow

Symbol	Conn- ection	Actuator	Return	Signal pressure min, bar at 6 bar actua./return	Changeover time, ms at 6 bar actua./return	Weight Kg	Order code	D
 	Push-in	Electric	Electric	4,5/1,7	15/20	0,120	PS1-E191	1
	M5	Electric	Electric	4,5/1,7	15/20	0,120	PS1-E195	3
	Push-in	Electric	Electric	4,5/1,7	15/20	0,125	PS1-E196	1
	Ø6 mm							
	Push-in	Electric	Spring	4,5/1,7	15/20	0,120	PS1-E181	1
	Ø4 mm							
 	M5	Electric	Spring	4,5/1,7	15/20	0,120	PS1-E185	3
	Push-in	Electric	Spring	4,5/1,7	15/20	0,125	PS1-E186	1
	Ø6 mm							

* To obtain a complete Electro-Pneumatic interface module, order:

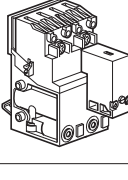
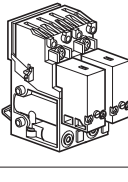
1 module without solenoid valve (e.g.: PS1-E191) + 1 solenoid valve (e.g.: PS1-E2302B)

Electro-Pneumatic modules 4/2

With solenoid valve, two outputs with Ø 4 mm Push-in connections

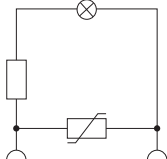
Visual indication of pneumatic output (NC) red and (NO) yellow

Spring return manual override, module width 2 x 17,5 mm

Symbol	Actuator	Return	Signal pressure min, bar at 6 bar actua./return	Changeover time, ms at 6 bar actua./return	Weight Kg	Voltage	Order code	D
 	Electric	Spring	4,5/1,7	15/20	0,165	24 VDC	PS1-E28102B	3
 	Electric	Electric	4,5/1,2	15/20	0,205	24 VDC	PS1-E29102B	3

Suppressor and LED indicators

For mounting between the solenoid valve and the interface module

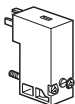
Symbol	Description	Weight	Voltage Kg	Order code	D
 	LED Indication Sold in packs of 5	0,010	24 VAC/DC	PS1-E1620B	1
		0,010	48 VA/DC	PS1-E1620E	3
		0,012	115 V 50 Hz 120 V 60 Hz	PS1-E1511F	1
		0,012	230 V~50 Hz 240 V~60 Hz	PS1-E1511M	3

Solenoids 15 mm 1,2 W / 1,6 VA

(9,4 mm pin spacing)

Without cable connector

Spring return manual override



Voltage	Order code	D
12 VDC	PS1-E2302J ☉	1
24 VDC	PS1-E2302B ☉	1
48 VDC	PS1-E2302E ☉	3
24 V 50/60Hz	PS1-E2301B ☉	1
48 V 50/60Hz	PS1-E2301E ☉	3
115 V 50Hz, 120 V 60Hz	PS1-E2301F ☉	1
230 V 50Hz, 240 V 60Hz	PS1-E2301M ☉	1

Without manual override

Voltage	Order code	D
12 VDC	PS1-E2302J	1
24 VDC	PS1-E2302B	1
48 VDC	PS1-E2302E	3

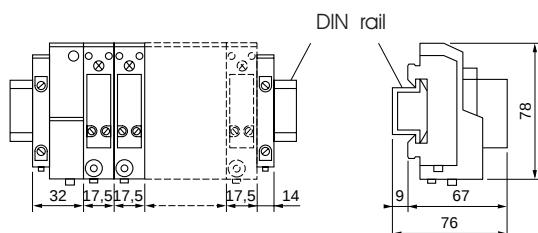
Indexable manual override

Voltage	Order code	D
12 VDC	PS1-E2352J ☉	3
24 VDC	PS1-E2352B ☉	1
48 VDC	PS1-E2352E ☉	3
24 V 50/60Hz	PS1-E2351B ☉	1
48 V 50/60Hz	PS1-E2351E ☉	3
115 V 50Hz, 120 V 60Hz	PS1-E2351F ☉	1
230 V 50Hz, 240 V 60Hz	PS1-E2351M ☉	1

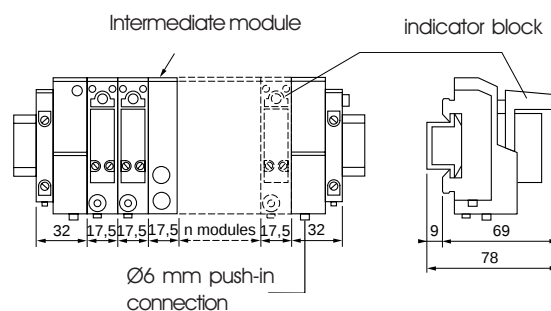
Dimensions, PS1 valve Series

Electropneumatic interface modules 3/2

P1S-E21102• with P1S-E101 head and tail units

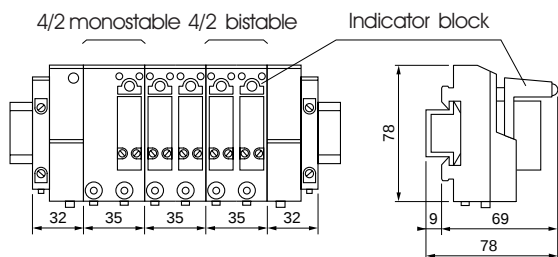


P1S-E21102• with P1S-E102 head and tail units

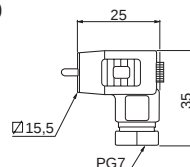


Electropneumatic interface modules 4/2

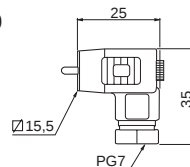
P1S-E28• and P1S-E29 with PS1-E102 head and tail units

Electrical connection 15 mm (3,4 mm pin spacing)
Universal is to be wired

PES-C10

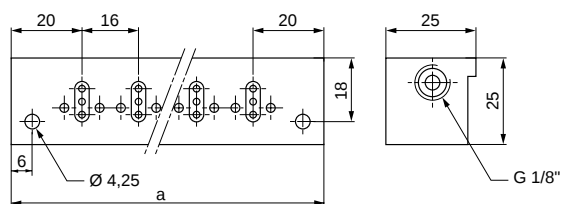
Electrical connection 15 mm (3,4 mm pin spacing)
Universal is to be wired

PES-C10



Multi-subbases

PVU-H1315•

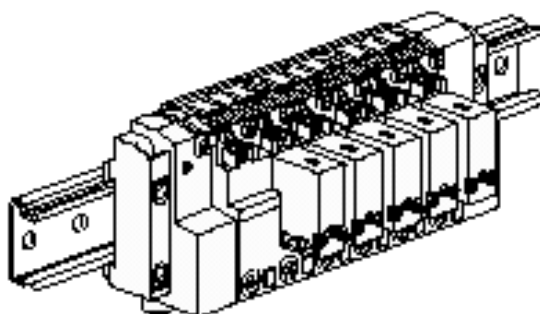


PVU-

a

H13152	56
H13154	88
H13156	120
H13154	152
H131510	184

Service and Replacement Parts



PS1 Interface

No internal components available, **replace complete module or solenoid**

Spare Part Kits

Part Number	Description	Quantity per Kit
PPR-L12	Module/Module seals, pressure/exhaust	100 seals
PPR-L13	Solenoid/ Module seals	25 seals 3/2 & 4/2 bistable 25 seals 4/2 monostable
PPR-L14	Spacer between solenoid and module	20 spacers
PPR-L09	Head & Tail set DIN rail retainers	20 sets

Replacement Solenoids

Voltage	Part Number		
	Non-locking override	Locking override	No manual override
12 vdc	PS1-E2302J	PS1-E2352J	PS1-E2392J
24 vdc	PS1-E2302B	PS1-E2352B	PS1-E2392B
48 vdc	PS1-E2302E	PS1-E2352E	PS1-E2392E
24 vac 50/60Hz	PS1-E2301B	PS1-E2351B	PS1-E2391B
115 vac 50/60Hz	PS1-E2301E	PS1-E2351E	PS1-E2391E
230 vac 50/60Hz	PS1-E2301M	PS1-E2351M	PS1-E2391M