Electro-pneumatic Regulator Integrated Type CE 64-station Compatible Manifold RoHS

Plug-in Compact 5-Port Solenoid Valve

Solenoid valves and electro-pneumatic regulators can be connected to the same manifold.

Valve stations/Number of outputs: For 4 to 64 stations*1/128 points

Stations are only available in multiples of 4

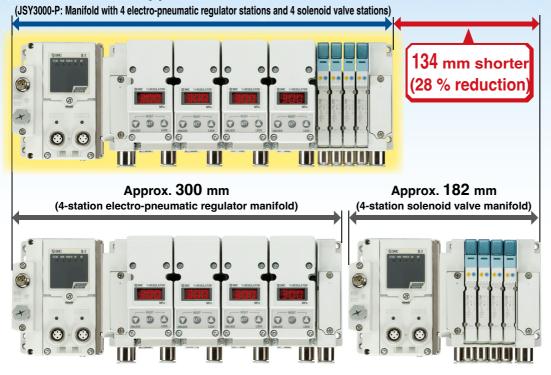
Electro-pneumatic regulator stations: 1 to 4 stations

I/O unit stations: Max. 8 stations

Compatible protocol: EtherNet/IP EtherCAT.

Reduced wiring | Reduced number of SI units | Reduced wiring work | Compact |

Approx. 348 mm



Number of SI units 1 set 1 cable Power supply cable 1 cable

Number of SI units 2 sets 2 cables 2 cables

JSY3000-P Series



Equipment integration allows for the centralised management

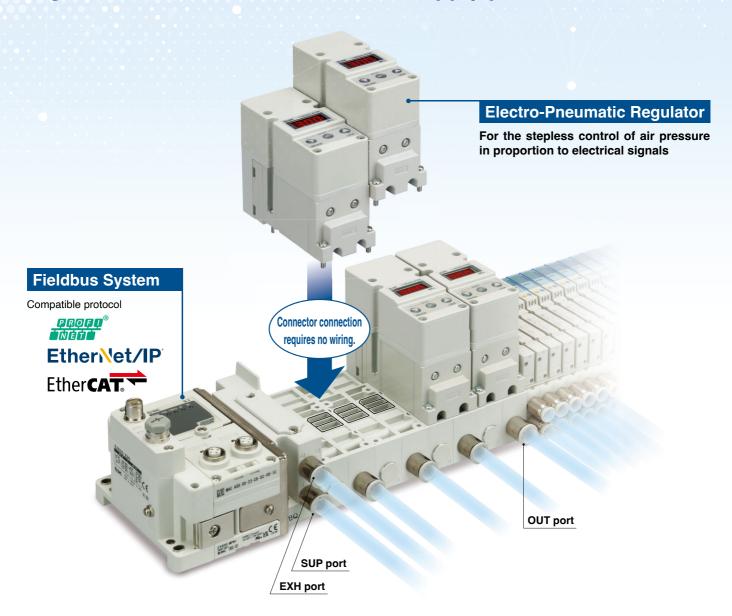


(I/O unit zone)
Max. 8 stations

(Electro-pneumatic regulator zone)

Max. 4 stations

For the electro-pneumatic regulators, select from 1 individual output of regulated air and 2 solenoid valve supply pressure control



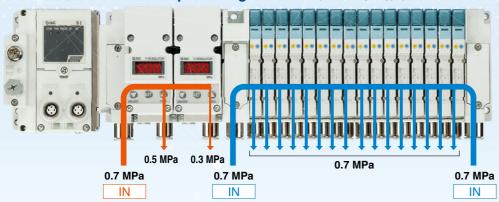
of control and wiring as well as reduced wiring



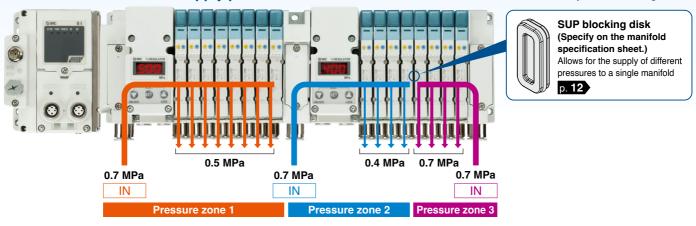
Drive control

(JSY3000 Solenoid valve zone)
Max. 64 stations

When 1 individual output of regulated air (direct output type) is selected for the electro-pneumatic regulators



When 2 solenoid valve supply pressure control (valve supply type) is selected for the electro-pneumatic regulators



CONT	ENTS
	d Type 64-station Compatible Manifold enoid Valve <i>JSY3000-P</i> Series
Plug-in Connector Connecting Base	How to Order Valves (With mounting screw) p. 7
Manifold Specifications p. 3	How to Order Electro-Pneumatic Regulators for Manifold
Manifold Flow Rate Characteristics p. 3	(With mounting screw) p. 8
Electro-Pneumatic Regulator for Manifold p. 4	Dimensions p. 9
How to Order Manifoldsp. 6	Fieldbus System for Manifoldp. 10
How to Order Manifold Assembly p. 7	Manifold Optionsp. 13

JSY3000-P Series Type 10 Plug-in Connector Connecting Base

Manifold Specifications

Wiring		Serial wiring EX600 for 64-station compatible manifold	
Manifold type		Plug-in connector connecting base (64-station compatible manifold)	
SUP/EXH port type		Common SUP/EXH (Common for the 3/5 port)	
Valve stations		4 to 64 stations	
Applicable connector		_	
Internal wiring		Negative common	
Port size	1(P), 3/5(E) port	Ø 10 One-touch fitting	
Port Size	4(A), 2(B) port	Ø 4/Ø 6/Ø 8 One-touch fitting	
Enclosure (Based on IEC 60529) IP65		IP65	

Formula for 64-station Compatible Manifold Weight*2

(Unit: g)

$W = 47 \times n_1 + 852 + 138 \times n_2 + 535 \times n_3 + 676 \times n_4$

- n1: Number of valve stations*1
- n2: Number of intermediate SUP/EXH blocks
- **n3**: Number of electro-pneumatic regulators, ITV2340-□A
- **n4**: Number of electro-pneumatic regulators, ITV2340-□(M, S)
- *1 Stations are only available in multiples of 4, from 4 stations to 64 stations.
- *2 Weight: "W" is the value for the internal pilot specification, the max. fitting size, and the manifold only. The valve weight is not included. To obtain the weight with valves mounted, add the valve weight given in the catalogue on https://www.smc.eu for the appropriate number of stations.

Manifold Flow Rate Characteristics

	Port	size			Valve flow rate	characteristics		
Model	1, 3/5	4, 2	1 →	4/2 (P →	A/B)	4/2 -	> 3/5 (A/B	→ E)
	(P, E)	(A, B)	C [dm ³ /(s·bar)]	b	Q [l/min(ANR)]*1	C [dm ³ /(s·bar)]	b	Q [l/min(ANR)]*1
JJ5SY3-P10 (Side ported)	C10	C8	2.23	0.30	567	2.77	0.27	691

- * Calculation of effective area "S" and sonic conductance "C": S = 5.0 x C
- * Values measured in accordance with ISO 6358:1989, JIS B 8390:2000
- *1 These values have been calculated according to ISO 6358 and indicate the flow rate under standard conditions with an inlet pressure of 0.6 MPa (relative pressure) and a pressure drop of 0.1 MPa.

⚠ Caution

Securing the DIN Rail Mounting Type Manifold

1. When mounting the manifold to a DIN rail using bolts, be sure that the bottom surface of the DIN rail is in contact with the manifold installation surface (in a horizontal state), then secure both ends of the DIN rail with the bolts. However, for other mounting methods or for side facing or upside down orientations, use the formula below to calculate the number of bolts to use at even intervals along the DIN rail.

Formula: Number of bolts = DIN rail length/75 (Round up to the nearest whole number) Example) When the DIN rail length is 1123 mm, secure in 15 locations as a guide.

2. When using the manifold with a DIN rail in an environment where any vibration or impact is applied to it, the DIN rail itself may break. In particular, if the installation surface vibrates when mounting the manifold on the wall, or if a load is directly applied to the manifold, the DIN rail may break, causing the manifold to drop. When any vibration, impact, or load will be applied to the manifold, be sure to use a direct mounting manifold.

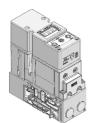


CE UK CHS ROHS



JSY3000-P Series **Electro-Pneumatic Regulator for Manifold**

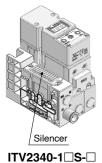
Valve supply type



ITV2340-1□A



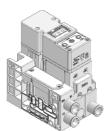
ITV2340-1 ☐ M- ☐



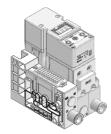
Direct output type



ITV2340-2□A



ITV2340-2□M-□



ITV2340-2□S-□

Specifications

Electro-Pneumatic Regulator*1

	-Fileumatic	riogaiatoi			
Fluid		Air			
Pressur	e display unit	MPa	bar	psi	
Min. su	oply pressure	Set pressure + 0.05 MPa	Set pressure + 0.5 bar	Set pressure + 7.25 psi	
Max. su	pply pressure	1.0 MPa	10 bar	145 psi	
Set pressu	re range (Rated)*2	0 to 0.7 MPa	0 to 7 bar	0 to 100 psi	
Min. set	pressure	0.005 MPa	0.05 bar	1 psi	
Power	Voltage	24 VDC ±10 % (Stabilize	ed power supply with a r	ipple rate of 1 % or less)	
supply	Current consumption		0.12 A or less		
Linearit	y * ³	±0.009 MPa or less	±0.09 bar or less	±1.3 psi or less	
Hystere	sis* ³	0.0045 MPa or less	0.045 bar or less	0.65 psi or less	
Repeatability*3		±0.0045 MPa or less	±0.045 bar or less	±0.65 psi or less	
Sensitivity		±0.2 % F.S. (Input signal variation: 8/4095 (12 bit) or more)			
Temperatu	ire characteristics	tics ±0.00108 MPa/°C or less ±0.0108 bar/°C or less ±0.156 psi/°C			
Step res	sponse*4	0.3 s or less			
	Display type	3-digit, 7-segment LED, 1-color display (Red)			
Output pressure display*5	Accuracy	±0.018 MPa ±1 digit or less	±0.18 bar ±1 digit or less	±3 psi ±1 digit or less	
a.op.a.y	Min. unit	0.001 (Actual display: .001)	0.01	1	
Ambient and fluid temperatures		0 to 50 °C (No condensation)			
Enclosu	Enclosure IP65				
Weight		ITV2340-□□A: 535 g (Without tie-rod) ITV2340-□□ (M, S): 676 g (Without tie-rod)			

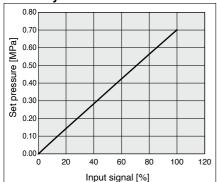
- *1 This specification table shows the characteristics at a power supply voltage of 24 VDC, ambient temperature of 25 ±3°C, and no load applied.
- Only in static conditions, the pressure may fluctuate when air is consumed on the output side. *2 When the input signal is 0 %, there is residual pressure equal to or less than the minimum set
 - In cases where the pressure needs to be reduced completely to 0, install a 3-port valve, etc., on the output side to discharge the residual pressure.
- *3 Compliant with ISO 10094
- *4 This is the characteristics to reach 90 % of the set pressure when the step amount are [0 →100 %], [25 \rightarrow 75 %], and [45 \rightarrow 55 %] under the max. supply pressure conditions.
- *5 The zero/span adjustment values are set by the minimum unit of the output pressure display. Note that the unit cannot be changed.



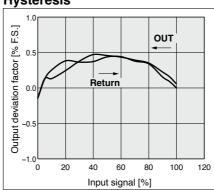
JSY3000-P: ITV Series

Compliant with ISO 10094

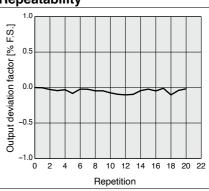
Linearity



Hysteresis

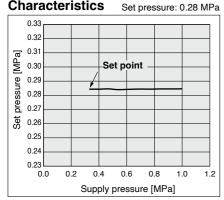


Repeatability



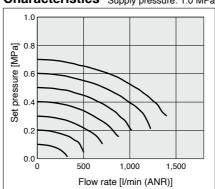
Pressure

Characteristics



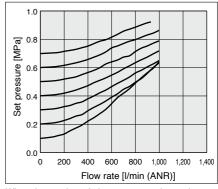
Flow Rate

Characteristics Supply pressure: 1.0 MPa



Relief

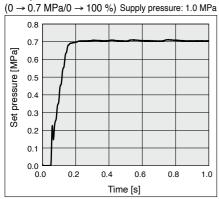
Characteristics Back pressure: 1.0 MPa



When the number of electro-pneumatic regulator stations is 3 or more, use a P, E port entry provided on "Both sides."

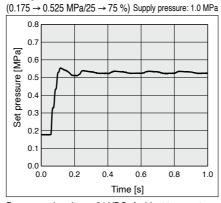
Excessive back pressure may damage the product.

Response Characteristics



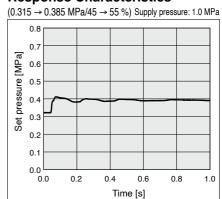
Power supply voltage: 24 VDC, Ambient temperature: 25 ±3 °C, With no load on the outlet side

Response Characteristics



Power supply voltage: 24 VDC, Ambient temperature: 25 ±3 °C, With no load on the outlet side

Response Characteristics



Power supply voltage: 24 VDC, Ambient temperature: 25 ±3 °C, With no load on the outlet side

Type 10

64-station Compatible Manifold

Plug-in Connector Connecting Base EX600

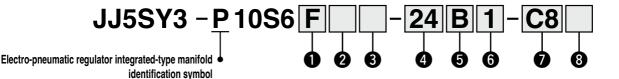
JSY3000-P Series CE LE

RoHS

Internal Pilot

How to Order Manifolds

Only the dedicated SI unit can be mounted on the 64-station compatible manifold.



1 SI unit

0	Without SI unit
F	PROFINET
E	EtherNet/IP™
D	EtherCAT

- I/O unit cannot be mounted without SI unit.
- * SI units, I/O units, and valve plates are shipped together with the product but do not come assembled.

2 End plate (SI unit)

_	Without SI unit	
4	M12 power supply connector, B-coded (EX600-ED2)	
5	7/8 inch power supply connector (EX600-ED3)	
7	M12 power supply connector	Pin arrangement 1 (EX600-ED4)
9	IN/OUT, A-coded	Pin arrangement 2 (EX600-ED5)

* When not selecting an SI unit, the symbol will be "—."

3 I/O unit stations

_	None
1	1 station
	:
8	8 stations

- When not selecting an SI unit, the symbol will be "-."
- * SI unit is not included in I/O unit stations
- When I/O unit is selected, it is shipped separately, and assembled by the customer. Refer to the attached operation manual for mounting.

4 Valve stations

Symbol	Stations	Note
04	4 stations	
08	8 stations	
:	:	Double wiring*1
60	60 stations	
64	64 stations	

- *1 Double wiring: 2-position single, 2-position double, 3-position, and 4-position valves can be used on all manifold stations. The use of a single solenoid will result in an unused control signal.
 - This also includes the number of blanking plates.
- For stations, only multiples of 4, from 4 stations to 64 stations, can be selected.
 The 4 boards inside the manifold are integrated.
- * The ITV is not included in the number of valve stations. Max. 4 sets are supported.

5 P, E port entry, SUP/EXH block assembly, Intermediate SUP/EXH block

P, E port entry	Internal pilot	Internal pilot, Built-in silencer	External pilot (Made to order)
U side (4 to 8 stations)	U	С	G
D side (4 to 8 stations)	D	E	Н
Both sides (4 to 64 stations)	В	F	J

- * Ensure a match with the common specification of the valve to be used.
- * When not selecting an SI unit, the symbol will be "-."

6 Number of intermediate SUP/EXH blocks, mounting position

Symbol	Qty.	Mounting position
0	0	_
1	1	Specify the mounting position
:	:	on the manifold specification
6	6	sheet.

 A block can be installed for every 4 valve stations, but as a guideline, it is recommended that one be installed for every 8 to 12 stations.

7 Port size

Symbol	A, B port	P, E port
C4	Straight Ø 4	
C6	Straight Ø 6	Straight (X 10
C8	Straight Ø 8	Straight Ø 10
CM*1	Straight port, mixed sizes	

*1 Indicate the sizes on the manifold specification sheet for "CM"

8 Mounting and option

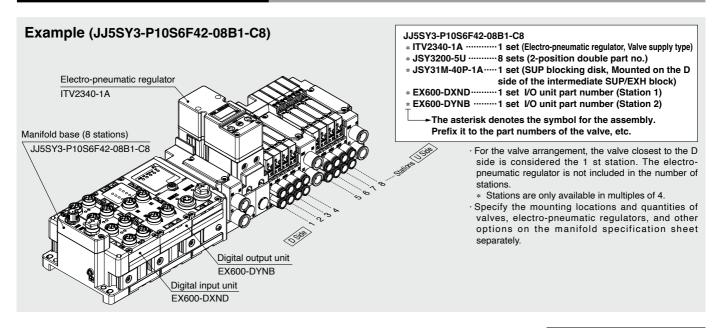
	<u> </u>
Symbol	Mounting
_	Direct mounting
D	DIN rail mounting (With DIN rail)
D0	DIN rail mounting (Without DIN rail)

- Option "D" with DIN rail mounting is not compatible with the product without an SI
- Specify the DIN rail on the manifold specification sheet separately.

For details on the EX600 Integrated Type (For Output) Serial Transmission System, refer to the catalogue on https://www.smc.eu and the Operation Manual. For the part numbers of the SI units to be mounted, refer to page 8. Please download the Operation Manual via the SMC website: https://www.smc.eu



How to Order Manifold Assembly

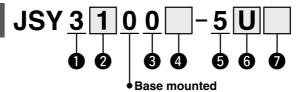


Internal Pilot

How to Order Valves (With mounting screw)

Refer to the JSY series catalogue on https:// www.smc.eu for valve specifications.







Made to Order

(For details, refer to the JSY series catalogue on https://www.smc.eu.)

Series

3	JSY3000

3 Pilot valve exhaust method

0	Pilot valve individual exhaust

4 Rated voltage

Symbol	Coil specifications
_	Standard
Т	With power saving circuit (Continuous duty type)

* Be careful of the energising time when the power-saving circuit is selected.

6 Rated voltage

	iou voitago
5	24 VDC

2 Type of actuation

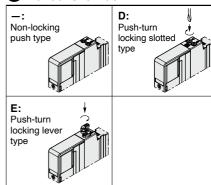
1	2-position	Single		
2	2-008111011	Double		
3		Closed centre		
4	3-position	Exhaust centre		
5		Pressure centre		
Α	4-position dual 3-port	N.C./N.C.		
В		N.O./N.O.		
С		N.C./N.O.		

6 Light/surge voltage suppressor and common specification

and common opcomoduon					
Symbol	With light	Surge voltage suppressor	Common specification		
U			Non-polar		
NZ	•	•	Polar Negative common		

- * Only "NZ" type is available with a power saving circuit.
- * When the non-polar common specification type is selected, take measures to prevent surge voltage. For details, refer to the catalogue on https://www.smc.eu.

Manual override



* When ordering a valve individually, the base gasket is not included.

Since the base gasket is attached to the manifold, please order the base gasket separately if it is needed for maintenance.

Refer to the **catalogue on https://www.smc. eu** for base gasket and mounting screw part numbers.

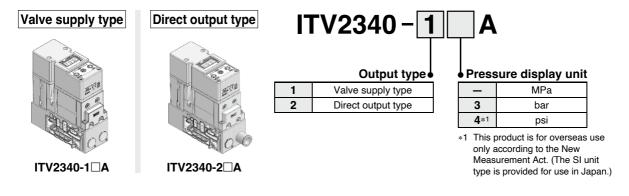
⚠ Caution

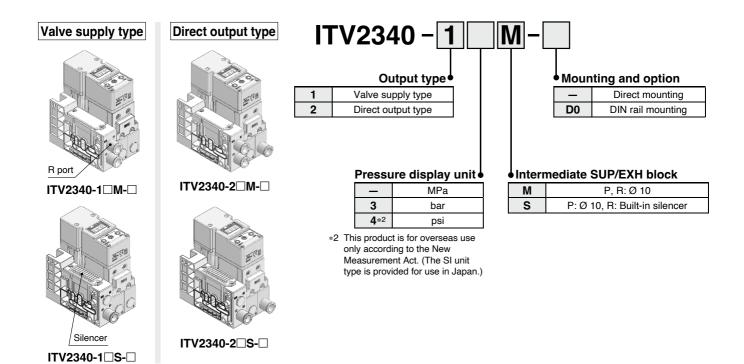
If the product is to be continuously energized, please be sure to select the power-saving circuit (continuous duty type) specification.

Refer to the "With power-saving circuit" section in the "Specific Product Precautions" of the plug-in type JSY series catalogue on https://www.smc.eu for details.

64-station Compatible Manifold **JSY3000-P** Series

How to Order Electro-Pneumatic Regulators for Manifold (With mounting screw)





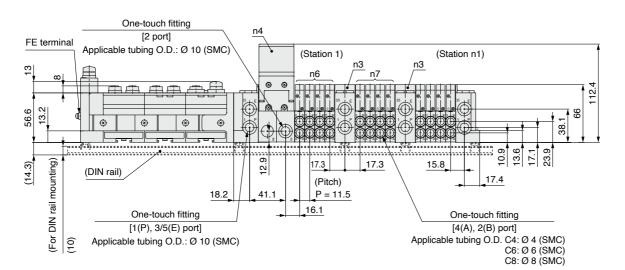
Type 10/Side Ported

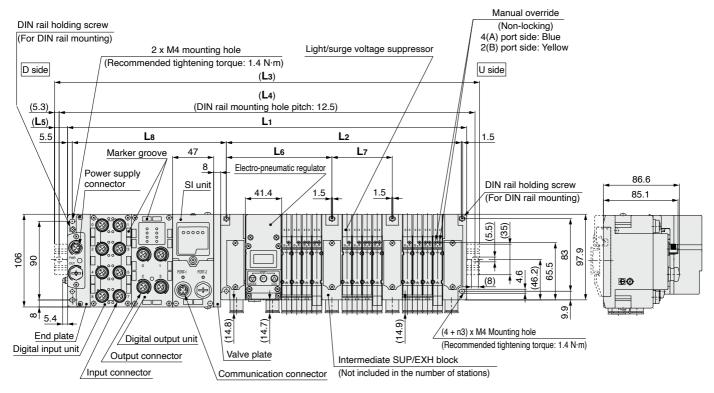
Dimensions: JSY3000-P Series

Electro-Pneumatic Regulator D Side Mounting/EX600 (M12 connector)

JJ5SY3-P10S6 $\square_{9}^{4}\square$ -Stations $\square_{D}^{U}\square$ - \square_{C8}^{C4} (D)

Refer to the operation manual for the detailed dimensions of each type.





Dimension calculation formulas

- L1: 11.5 x n1 + 136.6 + 47 x n2 + 23 x n3 + 41.4 x n4 + 64.4 x n5
- L2: 11.5 x n1 + 43.1 + 23 x n3 + 41.4 x n4 + 64.4 x n5
- M: L1/12.5 + 1 (Decimal fractions are truncated.)
- L3: 12.5 x M + 23
- L4: L3-10.5
- L5: (L3-L1)/2
- L6: 11.5 x n6 + 41.4 x n4 + 64.4 x n5 + 33.2
- L7: 11.5 x n7 + 64.4 x n5 + 23
- L8: 47 x n2 + 83.8
- n1: Number of valve stations
- n2: Number of I/O units
- n3: Number of intermediate SUP/EXH blocks
- n4: Number of electro-pneumatic regulators (Without intermediate SUP/EXH block)
- n5: Number of electro-pneumatic regulators (With intermediate SUP/EXH block)
- n6: Number of valves from the D side to the first intermediate SUP/EXH block
- n7: Number of valves between the intermediate SUP/EXH blocks

* These figures show the JJ5SY3-P10S6F72-12B2-C8.



CE UK CA CROHS



JSY3000-P Series Fieldbus System for Manifold

Specifications



SI Unit (For the Electro-Pneumatic Regulator/Manifold Type) PROFINET

Madal		EVECO MDN1		
Model		EX600-MPN1		
	Protocol	PROFINET IO (Conformance Class C)		
	Communication speed	100 Mbps		
	Configuration file*1	GSDML file		
Communication		Fast Start up		
	Applicable function	MRP		
		System Redundancy S2		
		Web server		
Internal current consumption (Power supply for control/input)		0.17 A or less		
Output	Electro-pneumatic regulator for manifold	Up to 4 units		
Standards		CE/UKCA marking, UL (CSA)		
Weight		310 g		
	Operating temperature range	Operating: -10 to +50 °C, Stored: -20 to +60 °C		
Environmental	Operating humidity range	35 to 85 % RH (No condensation)		
resistance	Withstand voltage	500 VAC for 1 minute between external terminals and FE		
	Insulation resistance	500 VDC, 10 $\text{M}\Omega$ or more between external terminals and FE		

^{*1} The configuration file can be downloaded from the SMC website: https://www.smcworld.com

SI Unit (For the Electro-Pneumatic Regulator/Manifold Type) EtherNet/IPTM

Si onit (i of the Electro-Friedmatic Negulator/Manifold Type) Ether New Friedmatic				
Model		EX600-MEN1		
	Protocol	EtherNet/IP TM (Conformance version: Composite19)		
	Communication speed	10/100 Mbps		
Communication	Configuration file*1	EDS file		
Communication		QuickConnect TM		
	Applicable function	DLR		
		Web server		
Internal current consumption (Power supply for control/input)		0.17 A or less		
Output Electro-pneumatic regulator for manifold		Up to 4 units		
Standards Weight		CE/UKCA marking, UL (CSA)		
		310 g		
	Operating temperature range	Operating: -10 to +50 °C, Stored: -20 to +60 °C		
Environmental	Operating humidity range	35 to 85 % RH (No condensation)		
resistance	Withstand voltage	500 VAC for 1 minute between external terminals and FE		
	Insulation resistance	500 VDC, 10 $\mbox{M}\Omega$ or more between external terminals and FE		

^{*1} The configuration file can be downloaded from the SMC website: https://www.smcworld.com

SI Unit (For the Electro-Pneumatic Regulator/Manifold Type) EtherCAT

Model		EX600-MEC1		
	Protocol	EtherCAT (Conformance Test Record V2.4.0)		
Communication	Communication speed	100 Mbps		
Communication	Configuration file*1	XML file		
	Applicable function	Web server		
Internal current consumption (Power supply for control/input)		0.17 A or less		
Output	Electro-pneumatic regulator for manifold	Up to 4 units		
Standards		CE/UKCA marking, UL (CSA)		
Weight		310 g		
	Operating temperature range	Operating: -10 to +50 °C, Stored: -20 to +60 °C		
Environmental	Operating humidity range	35 to 85 % RH (No condensation)		
resistance	Withstand voltage	500 VAC for 1 minute between external terminals and FE		
	Insulation resistance	500 VDC, 10 $\text{M}\Omega$ or more between external terminals and FE		

^{*1} The configuration file can be downloaded from the SMC website: https://www.smcworld.com



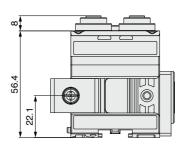
Dimensions

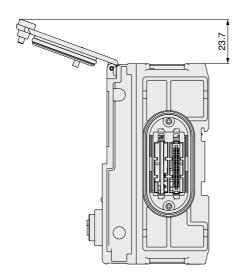
SI unit

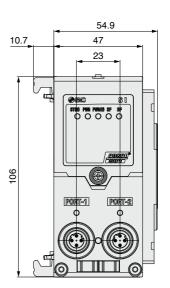
EX600-MPN1

EX600-MEN1

EX600-MEC1







Manifold Parts Nos.

EX600 digital input unit

EX600 - DX P B

Input type Number of inputs, open-circuit detection, and connector

	P 41 - 1 P P	
Symbol	Description	
Р	PNP	
N	NPN	

Symbol	Number of innuts	Open-circuit detection	Connector		
	O O	No			
В	0	INO	M12 connector (5 pins) 4 pcs.		
С	8 No 8 Yes		M8 connector (3 pins) 8 pcs.		
C1			M8 connector (3 pins) 8 pcs.		
D	16	No	M12 connector (5 pins) 8 pcs.		
E	16	No	D-sub connector (25 pins)		
F	16	No	Spring type terminal block (32 pins)		

EX600 digital output unit

EX600 - DY P B

Output type

ł	Number	of	outputs	and	connector
-	HUILIDEL	v	outputs	aliu	COHILECTOR

	put type -
Symbol	Description
Р	PNP
N	NPN

Symbol Number of outputs		Number of outputs	Connector		
B 8		8	M12 connector (5 pins) 4 pcs.		
	Е	16	16 D-sub connector (25 pins)		
	F	16 Spring type terminal block (32			

EX600 digital input/output unit

EX600 - DM P E

Input/Output type Number of inputs/outputs and connector

_		par type
	Symbol	Description
	Р	PNP
	N	NPN

Symbol	Number of inputs	Number of outputs	Connector
E	8	8	D-sub connector (25 pins)
F	8	8	Spring type terminal block (32 pins)

EX600 analog input/output unit

EX600 - AX

Analog input/output

↓ Nı	ımhar	of ch	annels	and	conn	ector
• INL	ımber	OI CH	anneis	and	com	lector

Allalog	mpatoatpat
Symbol	Description
AX	Analog input
AY	Analog output

Symbol	Number of channels	Connector
Α	2 channels	M12 connector (5 pins) 2 pcs.

EX600 analog input/output unit

EX600 - AM B

Analog input/output • Number of input/output channels and connector

Symbol	Number of input channels	Number of output channels	Connector	
В	2 channels	2 channels	M12 connector (5 pins) 4 pcs	

EX600 IO-Link unit

EX600 - L A B1

Port specification

4	Number	of norte	and	conno	cto
•	Number	or ports	and	conne	CIO

Symbol	Description
Α	Port class A
В	Port class B

nnector) 4 pcs.

EX600 end plate

EX600 - ED 2 -

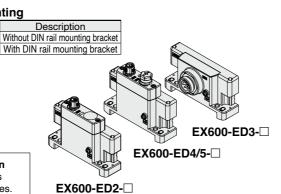
Power connector **♦** Mounting

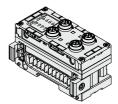
Symbol	Connector	
2	M12 power supply connector, B-coded	
	7/8 inch power supply connector	
4	M12 power supply connector IN/OUT, A-coded, Pin arrangement 1	
5	M12 power supply connector IN/OUT, A-coded, Pin arrangement 2	

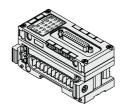
	W12 power supply connector, B-coded	
3	7/8 inch power supply connector	
4	M12 power supply connector IN/OUT,	
4	A-coded, Pin arrangement 1	
5	M12 power supply connector IN/OUT,	
J	A-coded, Pin arrangement 2	

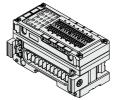
* The pin layout for the "4" and "5" pin connectors is different.

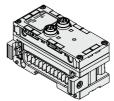
* For details, refer to the catalogue on https://www.smc.eu of the Fieldbus system (for input/output) EX600 series.

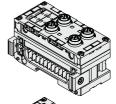


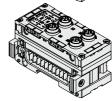












Clamp bracket for EX600

EX600 - ZMA3

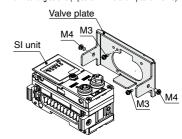
Enclosed parts

Round head screw with washer (M4 x 20) 1 pc. P-tight screw (4 x 14) 2 pcs.

Valve plate

EX600 - ZMV3

* With mounting screws (2 pcs. of M4 x 6 and 2 pcs. of M3 x 8)





JSY3000-P Series **Manifold Options**

JSY31M - 26P - 1A

↑ Caution Tightening torque for mounting screw M2: 0.16 N·m (JSY3000)

* Refer to the catalogue on https://www.smc.eu for dimensions.

■ Blanking plate

[With two mounting screws]

Used when valve additions are expected or for maintenance

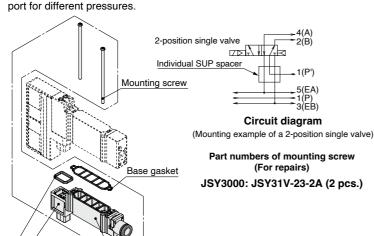
Mounting screw (2 pcs.)

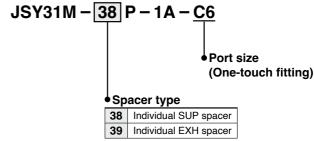
JSY31M-26P-1A

Circuit diagram

■ Individual SUP spacer

[With a connector gasket, a base gasket, and two mounting screws] When the same manifold is to be used for different pressures, an individual SUP spacer assembly can be used to act as a supply

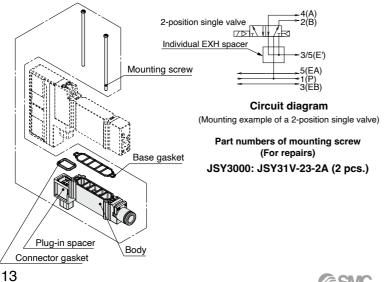




■ Individual EXH spacer

/ Plug-in spacer Connector gasket

[With a connector gasket, a base gasket, and two mounting screws] When valve exhaust affects other stations due to the circuit configuration, this spacer can be used for individual valve exhaust.



■SUP/EXH blocking disk

[SUP blocking disk]

Inserting an SUP blocking disk in the pressure supply passage of a manifold valve can allow for the use of 2 different pressures (high and low) in 1 manifold.

[EXH blocking disk]

Inserting an EXH blocking disk in the exhaust passage of a manifold valve can separate the exhaust from the valve so it does not affect the other valves. It can also be used in positive pressure and vacuum pressure mixed manifolds. (2 pieces are required to block both the EA and EB sides of the EXH.)



Series	SUP blocking disk	EXH blocking disk
JSY3000	JSY31M-40P-1A	JSY31M-40P-2A

■ Labels for blocking disks

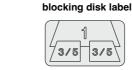
These labels can be used to indicate and confirm where on the manifold the SUP/EXH blocking disk assemblies were inserted. (3 labels of each)

SUP/EXH blocking disk label





SUP

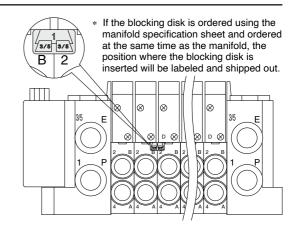


SUP

Series	Part no.	
JSY3000	SJ3000-155-1A	

∧ Caution

The manifold base cannot be disassembled by the customer. Specify the mounting location of the intermediate SUP/EXH block assembly on the manifold specification sheet.

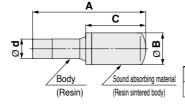


■ Silencer

(One-touch fitting connection type)

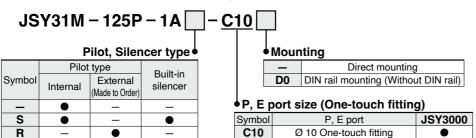
This silencer can be mounted to the 3/5 (E: EXH) port of the manifold in one step.

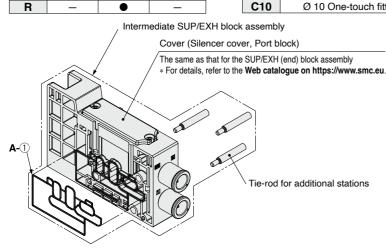
* Shipped together with the product



Series (Ø d)	Model	Effective area	Α	В	С
or JSY3000 (Ø 10)	AN20-C10	30 mm ²	57.5	16.5	30.5

■Intermediate SUP/EXH Block Assembly





Intermediate SUP/EXH block assembly accessories and the number of accessories

Accessories	Quantity		
Tie-rod for additional stations	3 pcs.		
A- Manifold block gasket	1 pc.		

^{*} Gasket is mounted.

Clamp bracket

<u> </u>	
Series	Part no.
JSY3000	SY30M-15-1A

⚠ Caution

The manifold base cannot be disassembled by the customer. Specify the mounting location of the intermediate SUP/EXH block assembly on the manifold specification sheet.



These safety instructions are intended to prevent hazardous situations and/or equipment damage. These instructions indicate the level of potential hazard with the labels of "Caution," "Warning" or "Danger." They are all important notes for safety and must be followed in addition to International Standards (ISO/IEC) 1), and other safety regulations.

♠ Danger:

Danger indicates a hazard with a high level of risk which, if not avoided, will result in death or serious

Marning:

Warning indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious

Caution indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate

1) ISO 4414: Pneumatic fluid power - General rules and safety requirements for systems and their components.

ISO 4413: Hydraulic fluid power - General rules and safety requirements for systems and their components.

IEC 60204-1: Safety of machinery - Electrical equipment of machines. (Part 1: General requirements)

ISO 10218-1: Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots.

Measurement Act.

1. The compatibility of the product is the responsibility of the person who designs the equipment or decides its specifications.

Since the product specified here is used under various operating conditions, its compatibility with specific equipment must be decided by the person who designs the equipment or decides its specifications based on necessary analysis and test results. The expected performance and safety assurance of the equipment will be the responsibility of the person who has determined its compatibility with the product. This person should also continuously review all specifications of the product referring to its latest catalogue information, with a view to giving due consideration to any possibility of equipment failure when configuring the equipment.

2. Only personnel with appropriate training should operate machinery and equipment.

The product specified here may become unsafe if handled incorrectly. The assembly, operation and maintenance of machines or equipment including our products must be performed by an operator who is appropriately trained and experienced.

- 3. Do not service or attempt to remove product and machinery/ equipment until safety is confirmed.
 - 1. The inspection and maintenance of machinery/equipment should only be performed after measures to prevent falling or runaway of the driven objects have been confirmed.
 - 2. When the product is to be removed, confirm that the safety measures as mentioned above are implemented and the power from any appropriate source is cut, and read and understand the specific product precautions of all relevant products carefully.
 - 3. Before machinery/equipment is restarted, take measures to prevent unexpected operation and malfunction.
- 4. Our products cannot be used beyond their specifications. Our products are not developed, designed, and manufactured to be used under the following conditions or environments. Use under such conditions or environments is not covered.
 - 1. Conditions and environments outside of the given specifications, or use outdoors or in a place exposed to direct sunlight.
 - 2. Use for nuclear power, railways, aviation, space equipment, ships, vehicles, military application, equipment affecting human life, body, and property, fuel equipment, entertainment equipment, emergency shut-off circuits, press clutches, brake circuits, safety equipment, etc., and use for applications that do not conform to standard specifications such as catalogues and operation manuals.
 - 3. Use for interlock circuits, except for use with double interlock such as installing a mechanical protection function in case of failure. Please periodically inspect the product to confirm that the product is operating properly.

We develop, design, and manufacture our products to be used for automatic control equipment, and provide them for peaceful use in manufacturing industries. Use in non-manufacturing industries is not covered.

Products we manufacture and sell cannot be used for the purpose of transactions or certification specified in the

The new Measurement Act prohibits use of any unit other than SI units in Japan.

Limited warranty and **Disclaimer/Compliance** Requirements

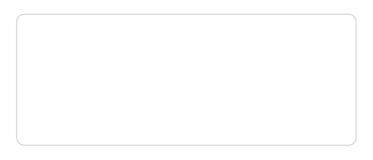
The product used is subject to the following "Limited warranty and Disclaimer" and "Compliance Requirements". Read and accept them before using the product.

Limited warranty and Disclaimer

- 1. The warranty period of the product is 1 year in service or 1.5 years after the product is delivered, whichever is first. 2) Also, the product may have specified durability, running distance or replacement parts. Please consult your nearest sales
- 2. For any failure or damage reported within the warranty period which is clearly our responsibility, a replacement product or necessary parts will be provided. This limited warranty applies only to our product independently, and not to any other damage incurred due to the failure of the product.
- 3. Prior to using SMC products, please read and understand the warranty terms and disclaimers noted in the specified catalogue for the particular products.
- 2) Vacuum pads are excluded from this 1 year warranty. A vacuum pad is a consumable part, so it is warranted for a year after it is delivered. Also, even within the warranty period, the wear of a product due to the use of the vacuum pad or failure due to the deterioration of rubber material are not covered by the limited

Compliance Requirements

- 1. The use of SMC products with production equipment for the manufacture of weapons of mass destruction (WMD) or any other weapon is strictly prohibited.
- 2. The exports of SMC products or technology from one country to another are governed by the relevant security laws and regulations of the countries involved in the transaction. Prior to the shipment of a SMC product to another country, assure that all local rules governing that export are known and followed



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