

Multi-function valve island X Series

Product Features

- Compact and versatile valve island:
Integration of components for applications using both actuators and vacuum adsorption
- Addition of various communication specifications:
Corresponds to ProfiNet, EtherCAT, EtherNet/IP, Modbus TCP, CCLink IE.
- Multi-function valve island saves wiring and piping
- Plug-in connection assembly type
- Wiring: D-sub connector/flat cable
- Space-saving, lightweight, high flow rate



Model Number

Containerized Modules: X5 - F1 - 05 U C6 C6

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Group-in valve series

code	series
J	XS5J:5000 Solenoid valve
V	XS5V:Vacuum Generator
P	XS5P:Vacuum Pump unit

⑤ Exhaust block mounting position

code	U	D	B
Installation position	U-side	D-side	Two sides

② Communication specification

code	specification	Type of socket
F1	Conventional style	Type D auxiliary socket (25pin)
PN	ProfiNet	Aviation plug
EC	EtherCAT	
EI	EtherNet/IP	
MT	Modbus TCP	
CC	CCLink IE	

③ Installation form

code	Installation form
blank	Standard
M	Mixed mounting form ^[1]

[1] Occasions where different inlet valve series specifications are mixed on the same package.

⑥ Pilot type specification

code	specification
blank	Internal
R	external

④ Valve number

code	01	02	...	18
number	1	2	...	18

⑦ Intake joint specification (P)

code	specification
C6	6mm
C8	8mm
C10	10mm
C12	12mm

⑧ Exhaust joint specification (EX)

code	C6	C8	C10	C12
specification	6mm	8mm	10mm	12mm

[Note] The nozzle exhaust can be optional with an external plug-in removable silencer.

⑨ DIN Guide length designation

code	blank	02	...	18
Guide length	Standard	2-bit	...	18-bit

[Note] Do not exceed the maximum number of valve digits when selecting.

Plenum: XS5 J 1 60 Z - 5 F - C6

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Valve series

code	series
J	5000 Solenoid valve

② Assembling valve specification

code	function
1	2 position single electric control
2	2 position dual electric control
3	3 bit middle seal
4	3 bit medium drain
5	3 position medium pressure type
A	Double 3-way valve:N.C./N.C.
B	Double 3-way valve:N.O./N.O.
C	Double 3-way valve:N.C./N.O.

③ Pilot type specification

code	specification
blank	Internal
R	external

[Note] 4 position double 3-way valve without external pilot.

④ Back pressure preventer valve

code	specification
blank	no
K	Built-in (custom)

⑤ Coil specification

code	specification
Z	(non-polar type) with indicator light and overvoltage protection loop
E	(Energy saving non-polarity type) with indicator light and overvoltage protection circuit

⑥ Rated voltage

code	voltage
5	DC24V
6	DC12V

⑦ Socket removal method

code	method
F	Dedicated for centralized wiring

⑧ Manual operation

code	specification
blank	With hand lever

⑨ Nozzle diameters for ports A and B

code	Nozzle diameter
C4	4mm
C6	6mm

XS5 P - C6

① ② ③

① Valve series

code	series
P	Vacuum pump unit

② Vacuum port (V) fitting

code	caliber
C4	4mm
C6	6mm

③ Sensor specification

code	blank	N	P	V	A (custom)
specification	sensorless	1 NPN output	1 PNP output	1 analog voltage (1~5V)	1 channel analog current (4~20mA)