

NAMUR Interface 3/5 Port Solenoid Valve

IP67 Compliant, Hygienic Design Type



VFN2120N-X23/-X36

- Hygienic design is adopted
Resin body with less concaves. Direct cleaning of valve is possible (IP67)
- 3 port/5 port available
Function plate realized 3/5 port selectable
- Low power consumption
Power consumption: 0.5 W
- Port threads: NPT1/4, G1/4 available

How to Order



VFN2120N-5 - **02** **N** - - **X23** **A** -

Voltage

5	24 VDC
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Manual

		X23	X36
Nil	Push type	☐	—
B	Locking type (Tool required)	☐	☐
C	Locking type (Manual type)	—	☐

○: Available

1/3/5 port thread size

02	1/4"
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1/3/5 port thread type

N	NPT
F	G

Mounting thread type

Nil	UNF10-32 thread
M	M5 x 0.8 thread
N	No mounting thread (for UNF10-32)
MN	No mounting thread (for M5 x 0.8)

CE-compliant

Nil	—
Q	CE-compliant

Valve specifications

A	3 port (Coil side: A port)
B	5 port (Coil side: B port)
C	3 port (Coil side: B port)
D	5 port (Coil side: A port)

Electrical entry

X23	Vertical entry to piping port
X36	Horizontal entry to piping port

Check valve

Nil	Available
0	Not available

IP

IW

1301

AW

IL1 ☐

IL2 ☐

IT

CP ☐

IS

VFN

IN-
T ☐

VFN2120N-X23/-X36

Standard Specifications

Valve construction	Rubber seal
Fluid	Air
Operating pressure range	0.15 to 0.9 MPa
Ambient and fluid temperature	-10 to +60°C
Lubrication	Not required
Manual override	Push type/Locking type (tool required)/ Locking type (manual type)
Enclosure	Equivalent to IP67
Thread port size	1/4"
Flow rate characteristics (Cv/Effective area)	0.8/11 mm ²
Rated voltage	24 VDC
Allowable voltage fluctuation	-15 to +10% of rated voltage
Type of coil insulation	Class B
Power consumption	0.5 W

Replacement Parts

① Mounting screw

Model	Type	Contents
AXT842-30-19A-2	UNF10-32	With washer/A set of 10 screws
AXT842-30-19A-3	M5 x 0.8	



Mounting screw

② Check valve

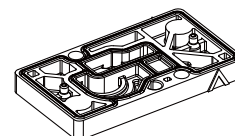
Model	Contents
AXT842-30-17A	A set of 10 pcs.



Check valve

③ Function plate assembly*

Model	Valve specifications
AXT842-30-10A	3 port (Coil side: A port)
AXT842-30-10B	5 port (Coil side: B port)
AXT842-30-10C	3 port (Coil side: B port)
AXT842-30-10D	5 port (Coil side: A port)



Function plate assembly

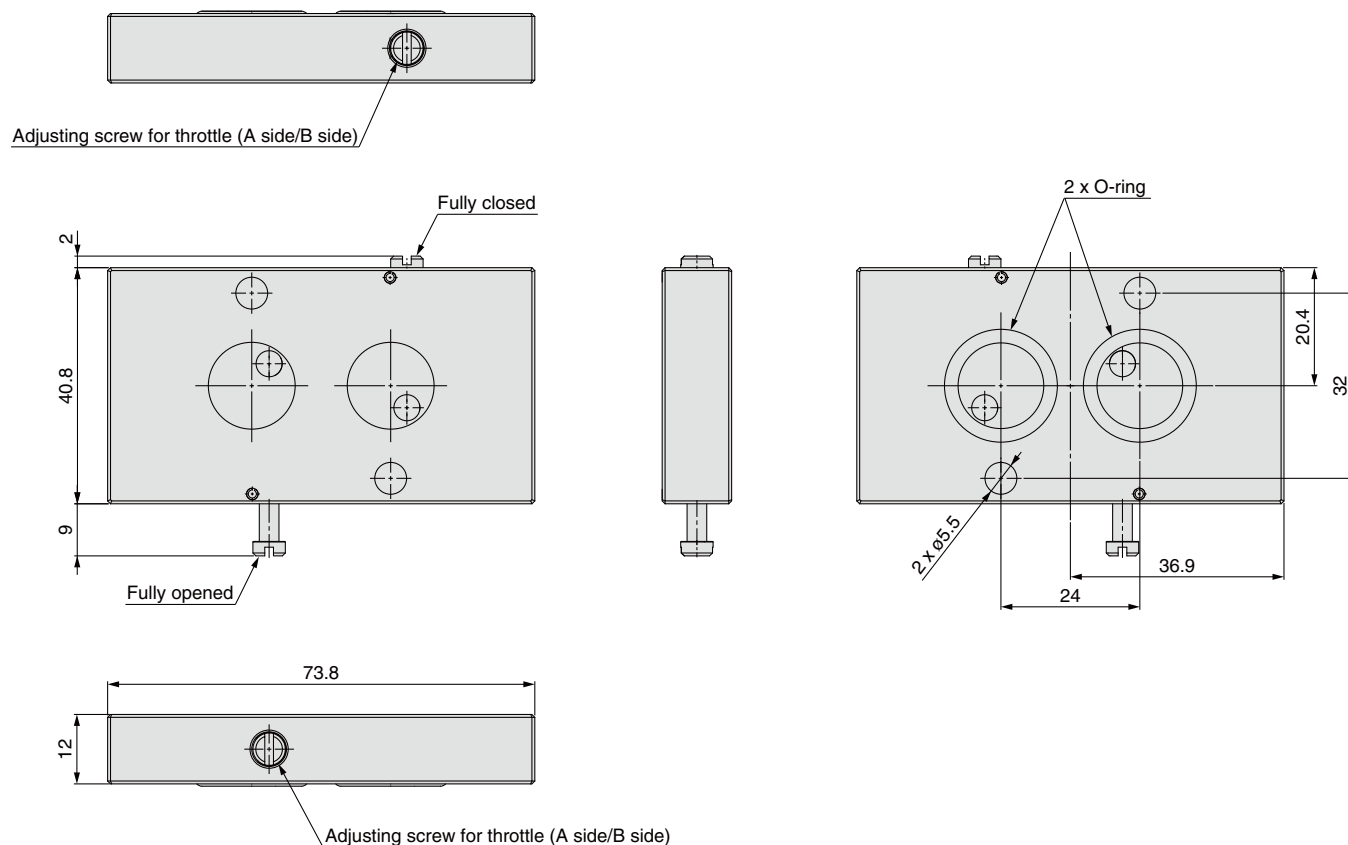
* Valve specifications can be freely changed by changing the function plate.

Options

Throttle valve spacer

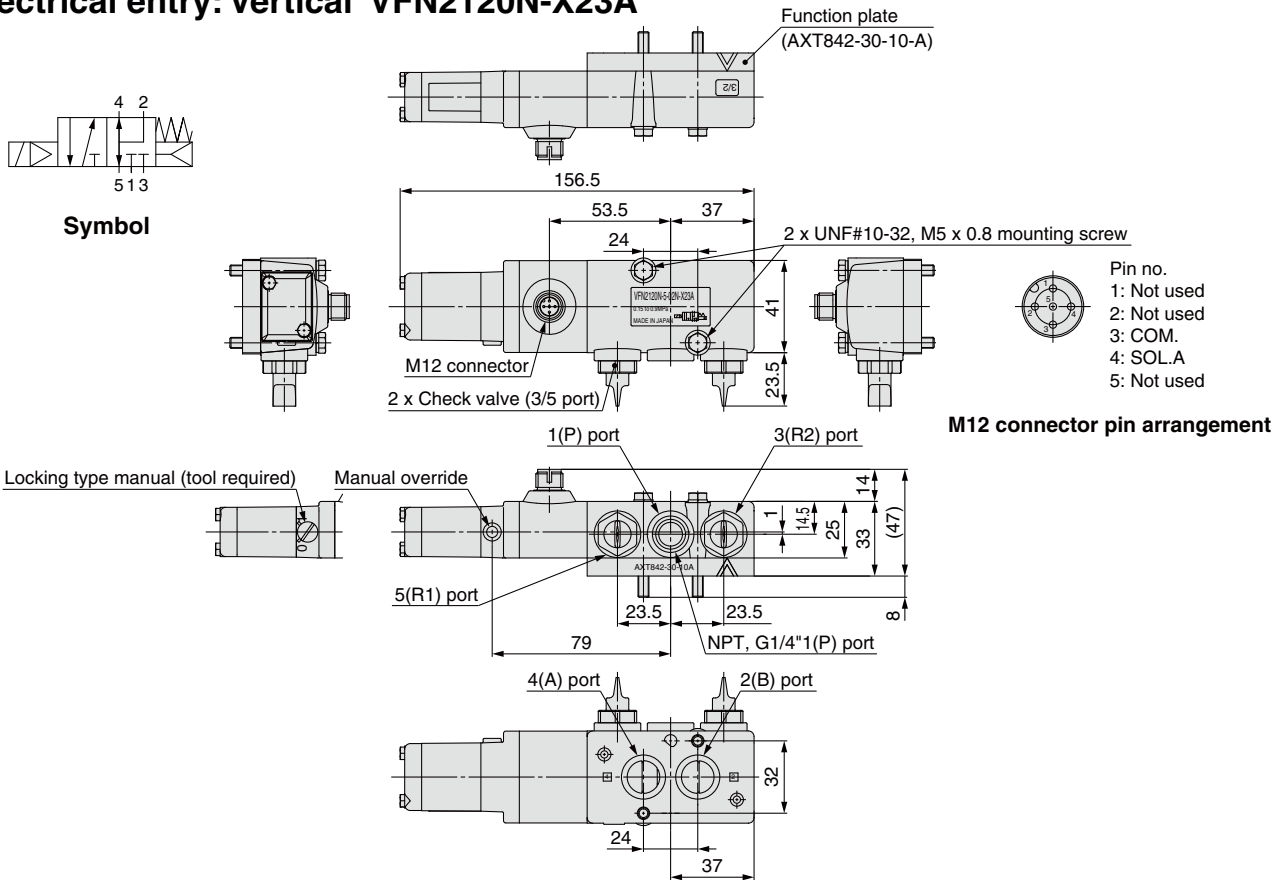
Part no.	Mounting screw type	Body material	Accessories
AXT842-30-22A-1	UNF10-32	Stainless steel	O-ring for interface (2 pcs.) Mounting screw for spacer (2 pcs.)
AXT842-30-22A-2	M5 x 0.8		
AXT842-30-24A-1	UNF10-32	Aluminum (Black anodized)	
AXT842-30-24A-2	M5 x 0.8		

Dimensions

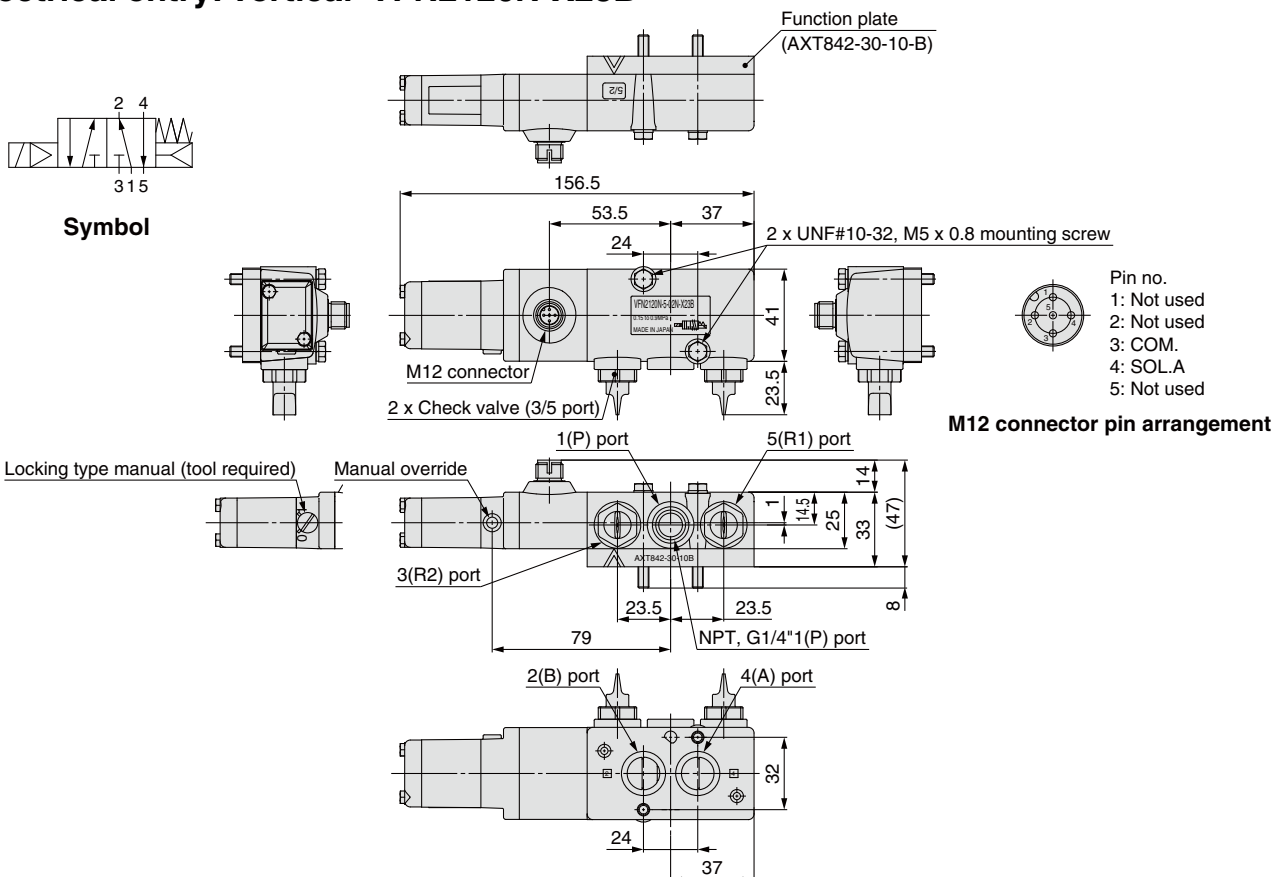


Dimensions

Electrical entry: Vertical VFN2120N-X23A



Electrical entry: Vertical VFN2120N-X23B



IP

IW

1301

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IL1 ☐

IL2 ☐

IT

CP ☐

IS

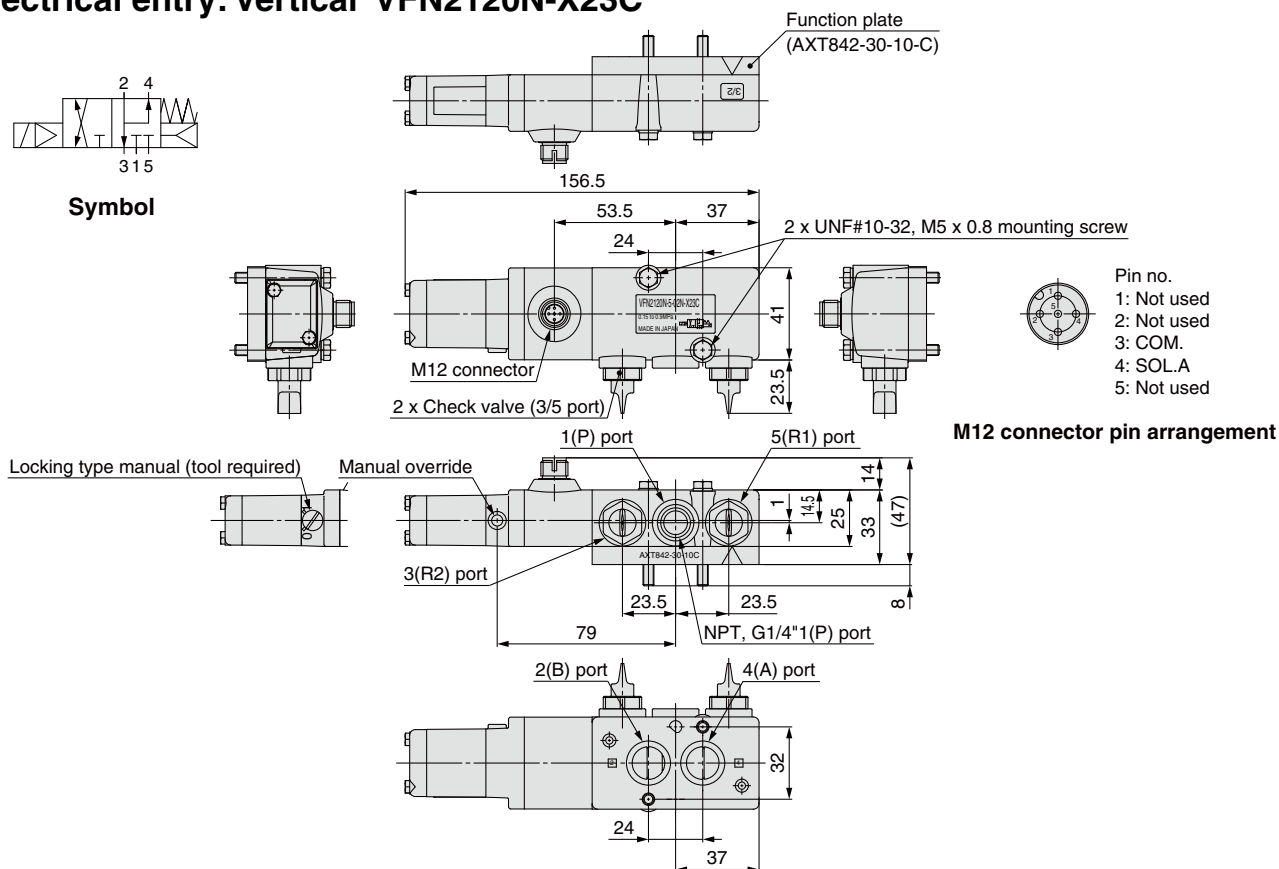
VFN

IN- ☐

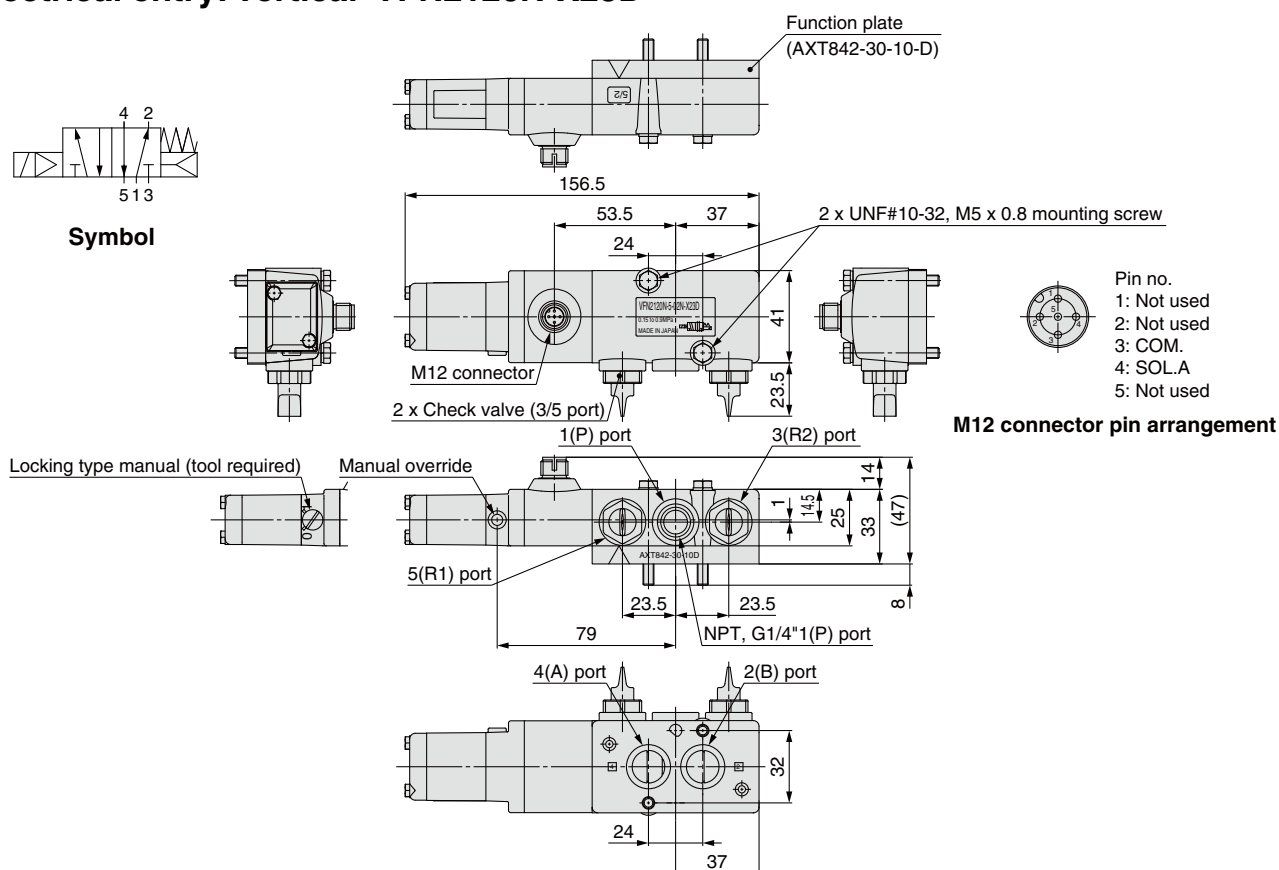
VFN2120N-X23/-X36

Dimensions

Electrical entry: Vertical VFN2120N-X23C

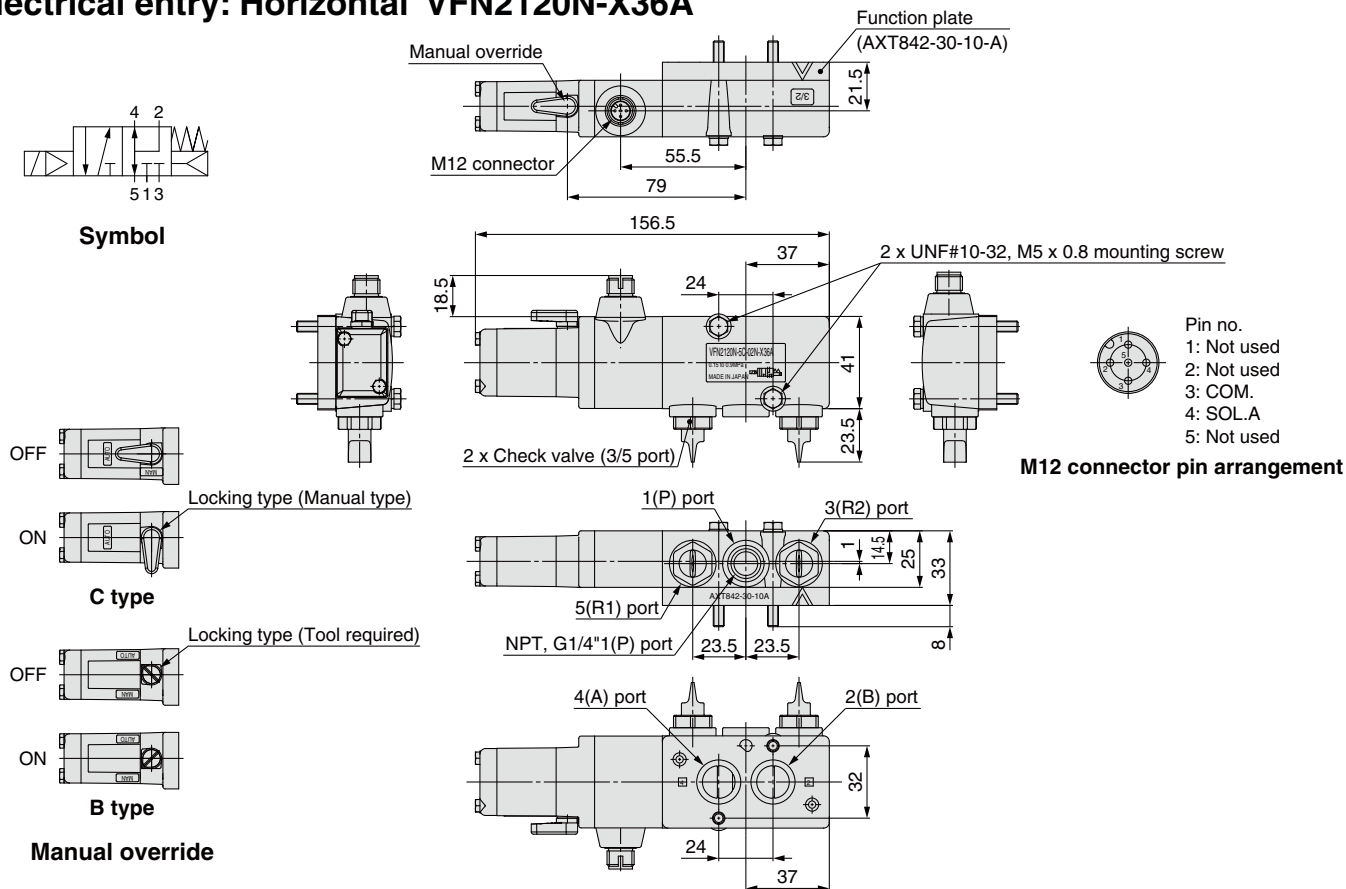


Electrical entry: Vertical VFN2120N-X23D

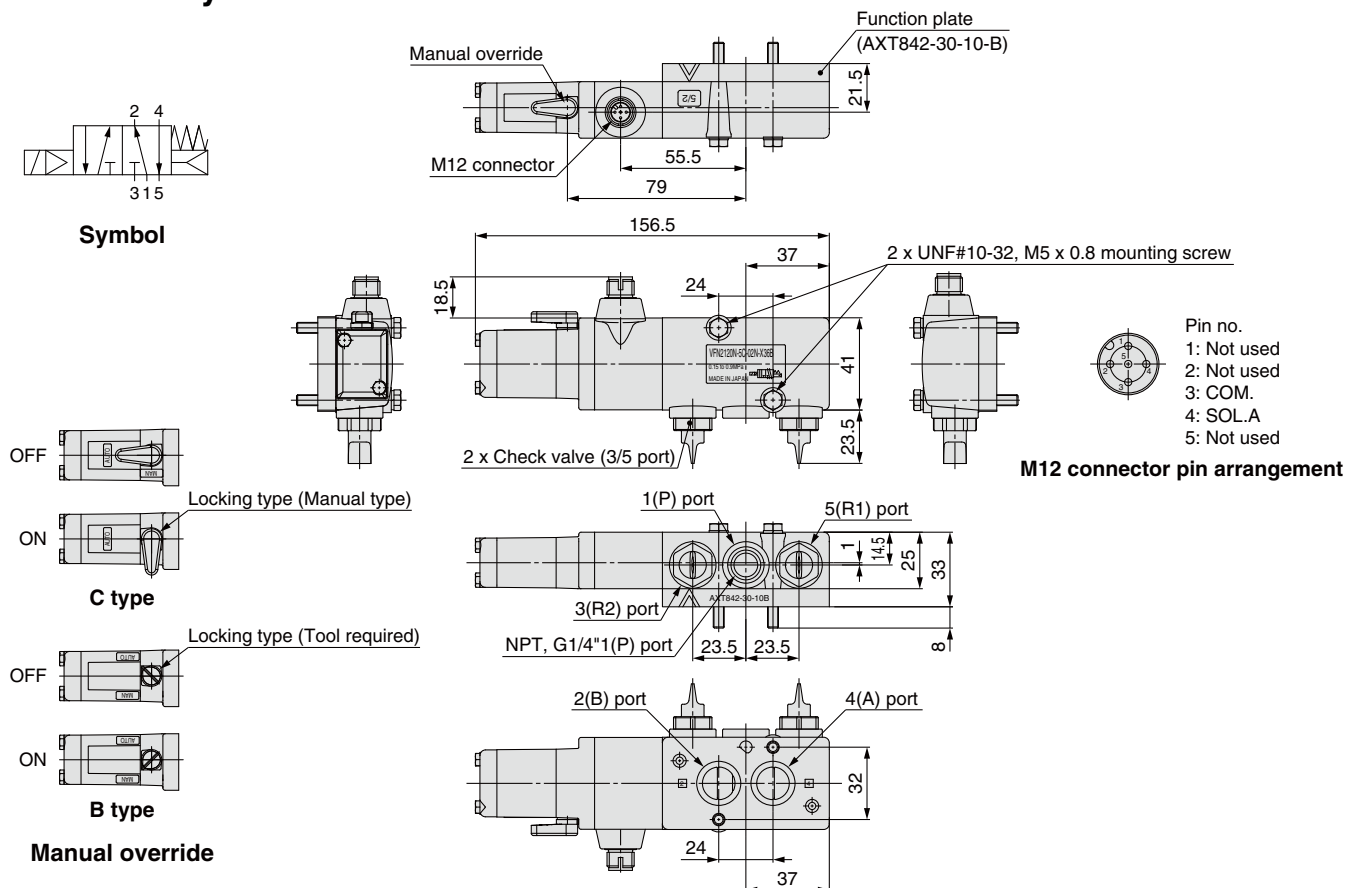


Dimensions

Electrical entry: Horizontal VFN2120N-X36A



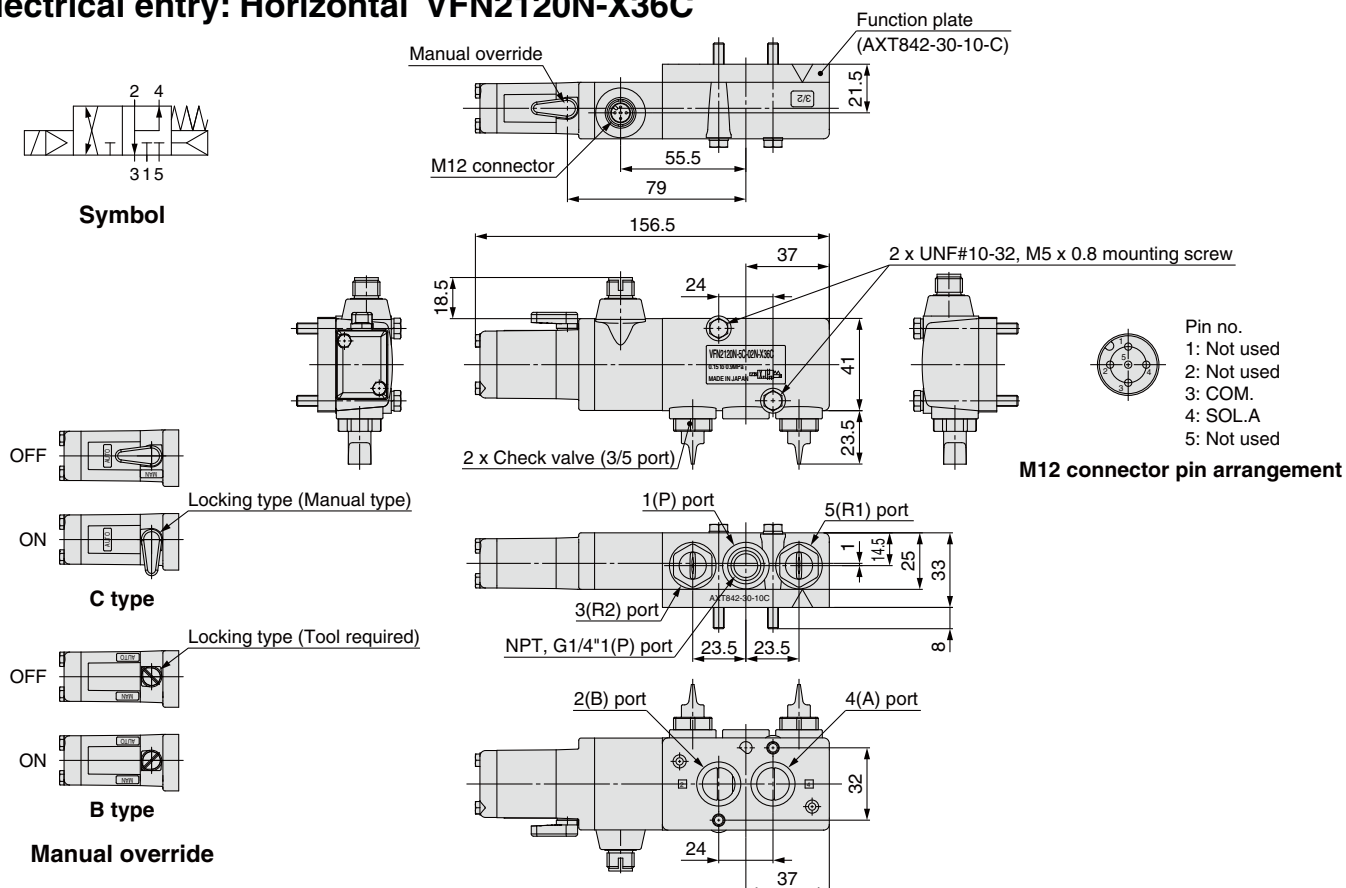
Electrical entry: Horizontal VFN2120N-X36B



VFN2120N-X23/-X36

Dimensions

Electrical entry: Horizontal VFN2120N-X36C



Electrical entry: Horizontal VFN2120N-X36D

