

How to Order (Single Unit)

DC

AC/Class B coil (Built-in full-wave rectifier type)

Model
Refer to Table (1) shown below for availability.

Valve / Body type

0	N.C. / Single unit
2	N.O. / Single unit
4	COM. / Single unit

Suffix

Nil	—
Z	Oil-free spec.

VX 31 1 4 **Orifice diameter**
Refer to Table (1) shown below for availability.

01 **Port size**
Refer to Table (1) shown below for availability.

5 G **Electrical entry (AC/DC)**

1 GR1 **Built-in full-wave rectifier type**

1 **Bracket**

Nil	None
B	With bracket

* Bracket is neither mountable nor removable.

Thread type

Nil	Rc
T	NPTF
F	G
N	NPT

Rated voltage

1	100 VAC 50/60 Hz	6	12 VDC
2	200 VAC 50/60 Hz	7	240 VAC 50/60 Hz
3	110 VAC 50/60 Hz	8	48 VAC 50/60 Hz
4	220 VAC 50/60 Hz	J	230 VAC 50/60 Hz
5	24 VDC		

* Refer to Table (3) shown below for availability.

Refer to page 23 for ordering coil only.

Electrical entry (AC/DC)

<p>G -Grommet</p> <p>GS-With grommet surge voltage suppressor</p>	<p>C -Conduit</p>
<p>T -With conduit terminal</p> <p>TS-With conduit terminal and surge voltage suppressor</p> <p>TL -With conduit terminal and light</p> <p>TZ-With conduit terminal, surge voltage suppressor and light</p>	<p>D -DIN terminal</p> <p>DS -DIN terminal with surge voltage suppressor</p> <p>DL -DIN terminal with light</p> <p>DZ -DIN terminal with surge voltage suppressor and light</p> <p>DO-For DIN terminal (without connector, gasket is included.)</p> <p style="text-align: right;">Connector</p>

* DIN type is available with class B only.

* Refer to Table (3) for available combinations between each electrical option (S, L, Z) and rated voltage.

* Surge voltage suppressor is integrated into the AC/Class B coil, as a standard.

Table (1) Model – Orifice Diameter – Port Size

Model	Solenoid valve model			Orifice symbol (diameter)			
	VX31	VX32	VX33	1 (1.5 mmø)	2 (2.2 mmø)	3 (3 mmø)	4 (4 mmø)
Port symbol (Port size)	01 (1/8)	—	—	●	●	●	—
	02 (1/4)	—	—	●	●	●	—
	—	02 (1/4)	02 (1/4)	—	●	●	●
	—	03 (3/8)	03 (3/8)	—	●	●	●

Table (2) Solenoid Valve Option

Option symbol	Seal material		Body material/ Shading coil material	Guide pin material	Coil insulation type	Note (Note)
	Main valve poppet	Fixed sealant				
Nil			C37	PPS	B	—
G	NBR	NBR	Stainless steel			
M	FKM	FKM	Stainless steel			
V			C37			

Note) The leakage amount (10⁻⁶ Pa·m³/sec) for the “V” and “M” option are values when the differential pressure is 0.1 MPa.

Table (3) Rated Voltage – Electrical Option

AC/DC	Voltage symbol	Voltage	Class B		
			S	L	Z
AC	Voltage symbol	1	— (Note)	●	— (Note)
		2			
		3			
		4			
		7			
		8			
DC	Voltage symbol	J	—	—	—
		5			
		6			

Note 1) Option S, Z are not available as surge voltage suppressor is integrated into the AC/Class B coil, as a standard.

* Class H coil is not available.

Specifications

For Air

For Water

For Oil

For Steam

For Vacuum Pad

Construction

Dimensions