

Multiple Limit Switch VB

CSM_VB_DS_E_1_2

A New Monoblock Multiple Limit Switch Incorporating a Head Box with a Tough Head and Ensuring High Sealing Performance and a Mechanical Durability of 5,000,000 Operations

- Used for the sequential control of a variety of engineering machines and belt conveyor lines.
- Built-in oil filter shuts out oil and water.
- Approved by EN, IEC (Ground terminal models only.) and CCC (Chinese standard). Ask your OMRON representative for information on approved models.
- Ground terminal models bear the CE mark.



Be sure to read the "Safety Precautions" on page 4 and the "Precautions for All Limit Switches".

Model Number Structure

Model Number Legend

VB-□□□□□□
1 2 3 4 5 6

1. Number of Plungers

- 2: 2 plungers
- 3: 3 plungers
- 4: 4 plungers
- 5: 5 plungers
- 6: 6 plungers

2. Actuator

- 1: Bevel plunger
- 2: Roller plunger

3. Switch Box

- 1: Flange switch box with two conduit holes on the side
- 2: Flange switch box with four conduit holes
- 4: Non-flange switch box with two conduit holes on the side
- 5: Non-flange switch box with four conduit holes

4. Scraper

- 1: NBR scraper
- 2: FPM scraper

5. Contact

- None: 10 A (standard)
- A: 0.1 A (micro load)

6. Ground Terminal

- None: Without ground terminal
- E: With ground terminal

Ordering Information

List of Models

| | | Shape of box | With flange | Without flange |
|--|-----------------|--------------|-------------|----------------|
| | | | | |
| Actuator * | Conduit | Model | | |
| Roller plunger (with a 6.8-dia. roller) | Two on the side | VB-2211 | VB-2241 | |
| | | VB-3211 | VB-3241 | |
| | | VB-4211 | VB-4241 | |
| | | VB-5211 | VB-5241 | |
| | | VB-6211 | VB-6241 | |
| | Four | VB-2221 | VB-2251 | |
| | | VB-3221 | VB-3251 | |
| | | VB-4221 | VB-4251 | |
| | | VB-5221 | VB-5251 | |
| | | VB-6221 | VB-6251 | |
| Bevel plunger | Two on the side | VB-2111 | VB-2141 | |
| | | VB-3111 | VB-3141 | |
| | | VB-4111 | VB-4141 | |
| | | VB-5111 | VB-5141 | |
| | | VB-6111 | --- | |
| | Four | VB-2121 | VB-2151 | |
| | | VB-3121 | VB-3151 | |
| | | VB-4121 | VB-4151 | |
| | | VB-5121 | --- | |
| | | VB-6121 | --- | |

- Note:**
1. Other than the above models, minute load models switching 0.1 A are available. When ordering a minute load model, add the suffix A to the model number (i.e., VB-2211A for example).
 2. SC connectors can be connected to VB models.
 3. Models with ground terminals are also available. When ordering a ground terminal model, add the suffix E to the model number (i.e., VB-2211E for example).

* Since the actuator is incorporated into the monoblock switch, the actuator cannot be replaced.

Replaceable Switch Unit

| Rating | Model |
|---------------------|----------|
| Standard load model | VB-S101N |