

For Compact Pendant Switch

VP 103 Series

Outline

The VP103 series is a flexible switch that can be used for a variety of purposes. This is the optimal mini pendant switch for use with power lifts on trucks, electric lifts, care service lifts, or to open/close doors. Its compact dimensions make it easy to grip in one hand.

Highly reliable twin contact is adopted for the switch. This ensures reliable operation for 24 V DC as well.



In terms of the 3-button type, the third button is used as a shift switch, and up/down operation can be changed to open/close operation, and safety can be enhanced by setting the system so that it can only be activated by pressing the functional button simultaneously with the shift button.

Pendant and wall-mounted types are prepared.

A switch with magnets (back of the main unit) can be temporarily attached to a steel plate. Types with LED or neon lamps are also available.


It can also be suspended by attaching a suspension ring. Suspension rings can be attached on either the cable end or the opposite end. A holder to store pendant switches is also prepared.

List of Basic Types

Type	VP 103 3	VP 103 2
Appearance		
No. of buttons	3	2

General Specifications

Specifications

Item	Rating
Degree of protection	IP65 (JIS C 0920) NEMA : Compliant with 4X Electrical Appliance and Material Safety Law  : Rainproof type
Material/ Color	Case : Shockproof ABS Resin / Ivory(Munsell 5Y8/1.5 equivalent) Case-tightening screws: Stainless (± screws) Cable bushing: EPDM(Synthetic rubber) / Blue Cover: Shock-resistant ABS Resin / Ivory (Munsell 5Y7/1 equivalent)
Connected terminal	M3.5 screws (Pressure terminal type)
Tightening torque	1.0 to 1.3N · m
Mechanical interlock	Attached between Terminal Nos. 1 & 2 and 3 & 4.
Button operation power	Approx 5N
Vibration proof	Operational Tolerance 10 to 55Hz Displacement1.0mm
Shockproof	Durability 500m/s <sup>2</sup>
	Operational Tolerance 100m/s <sup>2</sup>
Ambient temperature	-15°C to +40°C (must be free of ice or condensation)
Relative humidity	45 to 85% RH
Attachment orientation	Switch with appropriate cable must be suspended or attached with the cable slot up or down.
Accessories	Cable securing parts: Cable holder (1), tapping screws (2)

Note : Stainless steel screws can also be supplied.

Rating

Item	Rating
Voltage used	24V DC /2A Inductive load (DC 13)
Rated operating Rated	220V AC /2A Inductive load (AC 15)
Insulation voltage	500V AC/DC
Thermal current	5A
Insulation resistance	100 MΩ or more (500 V DC Megger)
Withstand voltage	2500 V AC / minute


Note : Rating in accordance with the Electrical Appliance and Material Safety Law (250 V AC / 5 A) only is shown on the nameplate.

Option

Lamp ratings (standard)

Item	Rating
Rated voltage/current	24V DC /10 to 15mA
Illumination source	Red LED
Connection terminal	Red line (+): With circular pressure terminals (M3.5) Black line (-): With receptacle Tab terminal, insulation tubing attached

Compliance standards

Name of standards
JIS C 8201-5-1
JIS C 0920
NECA C 4520
Electrical Appliance and Material Safety Law  (compliant products)

Overseas standards (Production on demand)

Name of standards	File name
UL  , C-UL 	E134156