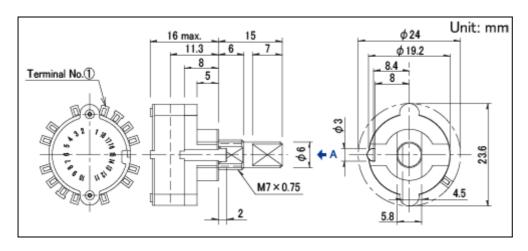


6-positions Vertical Type SRRN Series

Number of wafer 2 Poles 2 Positions 5 Changeover angle 30±3° Changeover timing 70±30mN·m Rotational torque 70±30mN·m Actuator configuration Flat Actuator length 1:15mm Operating temperature range -30°C to +65°C Rating (max.)/(min.) { Resistive load} 0.15A 12V DC/50µA 3V DC Electrical performance/After life-limely 50mΩ max./100mΩ max. Insulation resistance { Initial performance/After life-limely 500V AC for 1 minute Mechanical performance/After life-limely 700V AC for 1 minute Actuator strength 700V AC for 1 minute Actuator strength <				
Positions 5 Changeover angle 30±3° Changeover timing Non shorting Rotational torque 70±30mN·m Actuator configuration Flat Actuator length L: 15mm Operating temperature range -30°C to +65°C Rating (max.)/(min.) (Resistive load) 0.15A 12V DC/50μA 3V DC Electrical performance Cinitial performance After lifetime) Insulation resistance (Initial performance After lifetime) Mechanical performance Terminal strength Actuator strength Rotational direction 100MΩ min. 500V DC Wobble of actuator (load at the tip of shaft: 5N) Wobble of actuator (load at the tip of shaft: 5N) Wobble of actuator (load at the tip of shaft: 5N) Push direction 100M Measuring position from mounting surface Shaft wobble (max. value) Applicable mounting 15mm dimension Durability Operating life without load 10,000 cycles 70mΩ max.	Number of wafer		1	
Changeover timing Non shorting Rotational torque 70±30mN·m Actuator configuration Flat Actuator length L: 15mm Operating temperature range -30°C to +65°C Rating (max.)/(min.) (Resistive load) 0.15A 12V DC/50µA 3V DC Electrical performance Contact resistance (Initial performance/After lifetime) 50mΩ max./100mΩ max. Insulation resistance 100MΩ min. 500V DC Voltage proof 500V AC for 1 minute Mechanical performance Ferminal strength 5N for 1 minute Mechanical direction 1N·m Push direction 100M Wobble of actuator (load at the tip of shaft: 5N) Measuring position from mounting surface Shaft wobble (max. value) 0.17mm max. value) Applicable mounting dimension 15mm dimension Durability Operating life without load 10,000 cycles 70mΩ max.	Poles			2
Changeover timing Non shorting Rotational torque 70±30mN·m Actuator configuration Flat Actuator length L: 15mm Operating temperature range -30°C to +65°C Rating (max.)/(min.) (Resistive load) 0.15A 12V DC/50µA 3V DC Electrical performance Contact resistance (Initial performance/After lifetime) 50mΩ max./100mΩ max. Insulation resistance 100MΩ min. 500V DC Voltage proof 500V AC for 1 minute Mechanical performance Terminal strength SN for 1 minute Mechanical performance Mechanical strength Rotational direction 10·m Push direction 100N Wobble of actuator (load at the tip of shaft: 5N) Measuring position from mounting surface 10mm from mounting surface Shaft wobble (max. value) 0.17mm max. Applicable mounting dimension Durability Operating life without load 10,000 cycles 70mΩ max.	Positions			5
Rotational torque Actuator configuration Actuator length Operating temperature range Rating (max.)/(min.) (Resistive load) Electrical performance Insulation resistance (Initial performance) Voltage proof Voltage proof Mechanical performance Actuator strength Performance Actuator strength Rotational direction Wobble of actuator (load at the tip of shaft: 5N) Wobble of actuator (load at the tip of shaft: 5N) Shaft wobble (max. value) Applicable mounting 15mm dimension Durability Operating life without load Topic Shaft wobble (max. value) Applicable mounting 15mm dimension Topic Shaft wobble (max. value) Applicable mounting 15mm dimension 10,000 cycles 70mΩ max.	Changeover angle			30±3°
Actuator configuration Flat Actuator length L: 15mm Operating temperature range -30°C to +65°C Rating (max.)/(min.) (Resistive load) 0.15A 12V DC/50µA 3V DC Electrical performance Contact resistance (Initial performance/After lifetime) 50mΩ max./100mΩ max. Insulation resistance 100MΩ min. 500V DC Voltage proof 500V AC for 1 minute Mechanical performance Terminal strength SN for 1 minute Actuator strength Rotational direction 1N·m Push direction 100N Wobble of actuator (load at the tip of shaft: 5N) Measuring position from mounting surface 10mm from mounting surface Shaft wobble (max. value) 0.17mm max. value) Applicable mounting dimension 15mm dimension	Changeover timing			Non shorting
Actuator length Departing temperature range Rating (max.)/(min.) (Resistive load) Contact resistance (Initial performance	Rotational torque			70±30mN·m
Operating temperature range -30°C to +65°C Rating (max.)/(min.) (Resistive load) 0.15A 12V DC/50μA 3V DC Electrical performance performance/After lifetime) Insulation resistance 100MΩ min. 500V DC Voltage proof 500V AC for 1 minute Mechanical performance Actuator strength Rotational direction 1N·m Push direction 100N Wobble of actuator (load at the tip of shaft: 5N) Wobble of actuator from mounting surface Shaft wobble (max. value) Applicable mounting 15mm dimension Durability Operating life without load 10,000 cycles 70mΩ max.	Actuator configuration			Flat
Rating (max.)/(min.) (Resistive load) Contact resistance (Initial performance) Insulation resistance Voltage proof Voltage proof Terminal strength Push direction Wobble of actuator (load at the tip of shaft: 5N) Wobble (max. value) Applicable mounting undersided in the proof shaft: 5N (perating life without load) Durability Operating life without load O.15A 12V DC/50μA 3V DC SOMΩ max./100mΩ max. 100MΩ min. 500V DC 100MΩ min. 50	Actuator length			L: 15mm
Electrical performance Contact resistance (Initial performance/After lifetime)	Operating temperature range			-30℃ to +65℃
Performance Performance Performance Performance Insulation resistance 100MΩ min. 500V DC	Rating (max.)/(min.) (Resistive load)			0.15A 12V DC/50µA 3V DC
Wechanical performance Terminal strength 5N for 1 minute Actuator strength Rotational direction 1N·m Push direction 100N Wobble of actuator (load at the tip of shaft: 5N) Measuring position from mounting surface 10mm Shaft wobble (max. value) 0.17mm max. value) Applicable mounting dimension 15mm dimension				50m Ω max./100m Ω max.
Mechanical performance Terminal strength 5N for 1 minute Actuator strength Rotational direction 1N·m Push direction 100N Wobble of actuator (load at the tip of shaft: 5N) Measuring position from mounting surface 10mm Shaft wobble (max. value) 0.17mm max. Applicable mounting dimension 15mm Durability Operating life without load 10,000 cycles 70mΩ max.		Insulation resistance		100MΩ min. 500V DC
performance Actuator strength Rotational direction 1N·m Push direction 100N Wobble of actuator Measuring position 10mm (load at the tip of from mounting shaft: 5N) Shaft wobble (max. value) Applicable mounting 15mm dimension Durability Operating life without load 10,000 cycles 70mΩ max.		Voltage proof		500V AC for 1 minute
Actuator strength Rotational direction 1N·m Push direction 100N Wobble of actuator (load at the tip of shaft: 5N) Shaft wobble (max. value) Applicable mounting 15mm dimension Durability Operating life without load 10,000 cycles 70mΩ max.		Terminal strength		5N for 1 minute
Wobble of actuator (load at the tip of from mounting shaft: 5N) Shaft wobble (max. value) Applicable mounting 15mm dimension Durability Operating life without load 10,000 cycles 70mΩ max.		Actuator strength	Rotational direction	1N·m
(load at the tip of from mounting shaft: 5N) surface Shaft wobble (max. 0.17mm max. value) Applicable mounting 15mm dimension Durability Operating life without load 10,000 cycles 70mΩ max.			Push direction	100N
Shaft wobble (max. 0.17mm max. value) Applicable mounting 15mm dimension Durability Operating life without load $10,000$ cycles $70\text{m}\Omega$ max.		(load at the tip of	from mounting surface	
dimension Durability Operating life without load $10,000$ cycles $70m\Omega$ max.			Shaft wobble (max.	0.17mm max.
Operating life with load (at max. rated $10,000$ cycles $100m\Omega$ max.	Durability	Operating life without load		10,000 cycles 70m Ω max.
		Operating life with load (at max. rated		10,000 cycles $100m\Omega$ max.

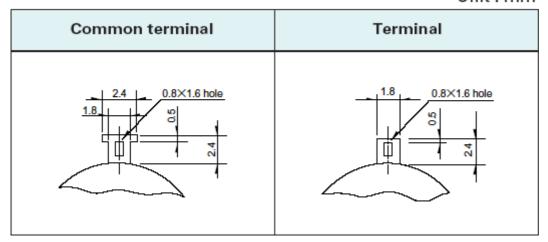
	load)		
Environmental performance	Cold		-40±2℃ for 96h
	Dry heat		85±2℃ for 96h
	Damp he	at	40±2℃, 90 to 95%RH for 96h
Minimum order unit (pcs.)		Japan	60
		Export	240

Dimensions



Terminal Configuration

Unit: mm



Circuit Diagram

Number of poles	2	
Circuit diagram		
Dummy terminals	5-positions	7 8

- 1. Standard poles per step.
- 2. The following mark in the above table indicate a stopper with the shaft turned fully counterclockwise when viewed from direction A of the diagrams.

Packing Specifications

Bulk

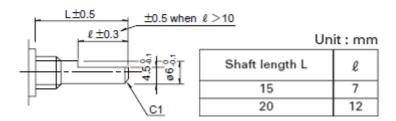
Number of packages 1 case / Japan (pcs.)	60
1 case / export packing	240
Export package measurements (mm)	400×270×270

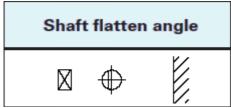
Shaft Style

* Flat Shaft

The shaft shows the position in which it is turned fully counterclockwise.

Cutting Shaft

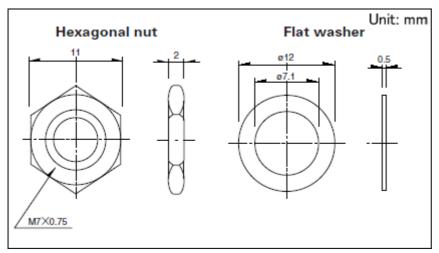




Notes SRBM Series are based on \(\textit{fill} \text{//} \) (printed terminal direction).
SRRM, SRRN, SRBV Series are based

on 🔀 (panel lug).

Attached Parts



The following parts are included with the product.

Soldering Conditions

Reference for Dip Soldering

Items	Preheating temperature	-
	Preheating time	<u>-</u>
Dip soldering	Soldering temperature	260±5℃
	Duration of immersion	10±1s
Reference for Hand Solderi	ng	
Soldering temperature		350±10℃
Soldering time		3+1/0s

Notes are common to this series/models.

- 1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- 2. All the axis are cutting shafts.
- 3. Please place purchase orders per minimum order unit (integer).
- 4. Products other than those listed in the above chart are also available. Please contact us for details.