

Discontinuation Notice of Limit Switch Model HL-5201

Product Discontinuation

Limit Switch



Model HL-5201

Recommended Replacement

Limit Switch



Model HL-5200

Discontinuation date : The end of March, 2013

Caution on recommended replacement

Dust-tight rubber cap on the head part newly attached.
Roller diameter × width on the head part changed.

Difference from discontinued product

Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Model HL-5200	**	*	**	**	**	**	**

** : Fully compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

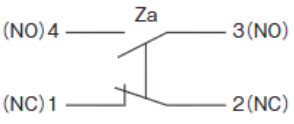
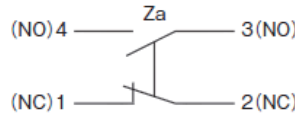
Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
Model HL-5201	Model HL-5200

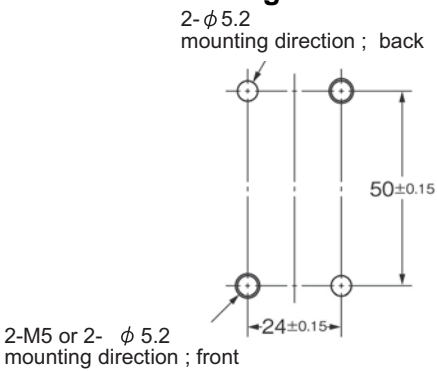
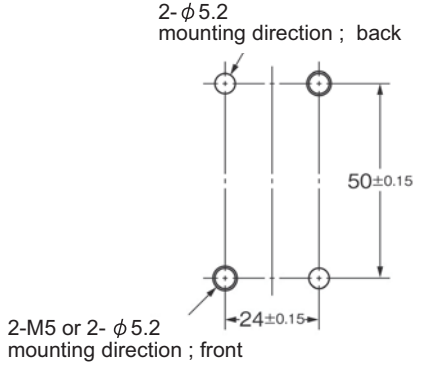
Body color

Product discontinuation Model HL-5201	Recommendable replacement Model HL-5200
Box : Light Gray Cover : Light Gray Head : Gray	Box : Light Gray Cover : Light Gray Head : Gray * No Change

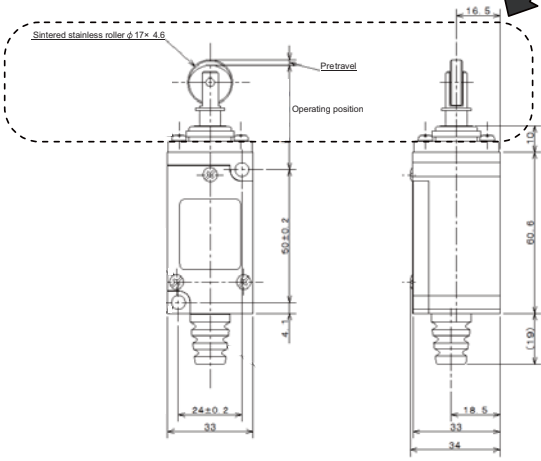
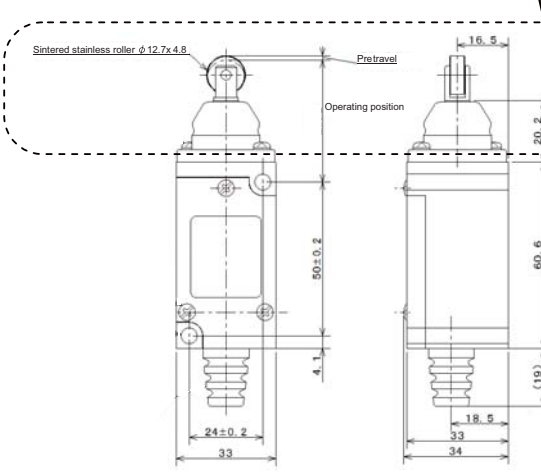
Wire connection

Product discontinuation Model HL-5201	Recommendable replacement Model HL-5200
Contact Form 	 * No Change

Mounting dimensions

Product discontinuation Model HL-5201	Recommendable replacement Model HL-5200
Dimension for mounting hold 	 * No Change

Dimensions

Product discontinuation Model HL-5201	Recommendable replacement Model HL-5200
 <p>Dust-tight rubber cap on the head part ; None</p> <p>Roller diameter × width on the head part ; ø17×4.6</p>	 <p>Dust-tight rubber cap on the head part ; Exist</p> <p>Roller diameter × width on the head part ; ø12.7×4.8</p>

Ratings / Characteristics

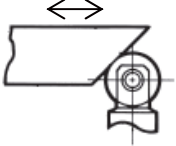
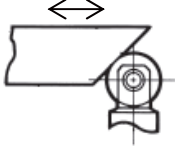
Item		Product discontinuation Model HL-5201	Recommendable replacement Model HL-5200
Degree of protection		IP65	IP65
Inrush current	NC	24A max.	24A max.
	NO	12A max.	12A max.
Durability	Mechanical	10,000,000 operations min. (under rated conditions)	10,000,000 operations min. (under rated conditions)
	Electrical	500,000 operations min. (125VAC, 5A resistive load)	500,000 operations min. (125VAC, 5A resistive load)
Operating speed		5mm/s to 0.5m/s	5mm/s to 0.5m/s
Operating frequency	Mechanical	120 operations/min	120 operations/min
	Electrical	30 operations/min	30 operations/min
Insulation resistance		100MΩ min. (at 500VDC)	100MΩ min. (at 500VDC)
Contact resistance		25mΩ max. (initial value)	25mΩ max. (initial value)
Dielectric strength	Same polarity	1,000VAC 50/60Hz for 1 min	1,000VAC 50/60Hz for 1 min
	Current-carrying metal parts and ground	1,500VAC 50/60Hz for 1 min	1,500VAC 50/60Hz for 1 min
	Terminals and non-current-carrying metal parts	1,500VAC 50/60Hz for 1 min	1,500VAC 50/60Hz for 1 min
Rated frequency		50/60Hz	50/60Hz
Vibration resistance	Malfunction	10 to 55Hz 1.5mm double amplitude	10 to 55Hz 1.5mm double amplitude
Shock resistance	Destruction	1,000m/s ² min	1,000m/s ² min
	Malfunction	300m/s ² min	300m/s ² min
Ambient operating temperature		-5 to 65 °C (with no icing)	-5 to 65 °C (with no icing)
Ambient operating humidity		35 to 95%RH	35 to 95%RH

* No Change

Operation ratings

Product discontinuation Model HL-5201		Recommendable replacement Model HL-5200	
Characteristics	Specification	Characteristics	Specification
Operating force	8.83N max.	Operating force	8.83N max.
Release force	1.47N min.	Release force	1.47N min.
Pretravel	1.5mm max.	Pretravel	1.5mm max.
Overtravel	4.0mm min.	Overtravel	4.0mm min.
Movement differential	1.0mm max.	Movement differential	1.0mm max.
Operating position	40±0.8mm	Operating position	40±0.8mm
* No Change			

Operation method

Product discontinuation Model HL-5201	Recommendable replacement Model HL-5200
<p data-bbox="306 387 683 421">Operate roller plunger with dog.</p>  <p>The diagram shows a cross-section of a roller plunger assembly. A horizontal roller is mounted on a vertical shaft. A dog, which is a small protrusion on the roller's circumference, is shown in contact with a corresponding groove on the shaft. A double-headed arrow above the roller indicates its axial movement.</p>	<p data-bbox="951 387 1327 421">Operate roller plunger with dog.</p>  <p>The diagram is identical to the one for Model HL-5201, showing a roller plunger assembly with a dog on the shaft and a double-headed arrow indicating movement.</p> <p data-bbox="928 577 1082 611">* No Change</p>

As of April 2012

In the interest of product improvement, specifications are subject to change without notice.