

Limit Switch Box SK-100 & SK-110



Features

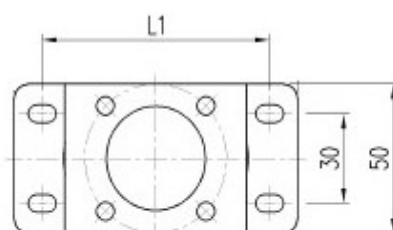
- 1) Visual Position Indicator.
- 2) "Quick-Set" Cam : Limit Switch adjustment cams are splined and spring loaded. The switch cam position can be quickly adjusted without tools(closed-up, open-down).
- 3) Multipoint Terminal Strip : Terminal strip number with 8 contacts is standard for micro switches.
- 4) Dual 1/2" conduit entries.
- 5) Captive Cover Bolts
- 6) Easy Mounting Bracket : Any actuator for rotary motion can be easily mounted in ISO 5211

Specifications

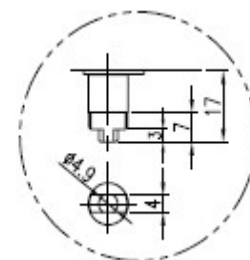
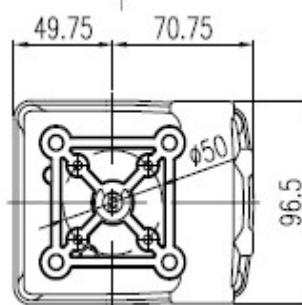
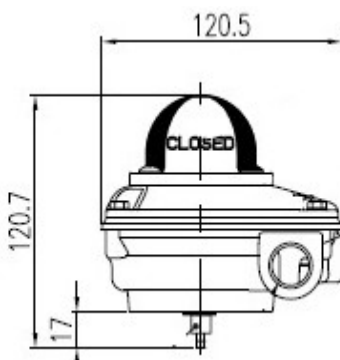
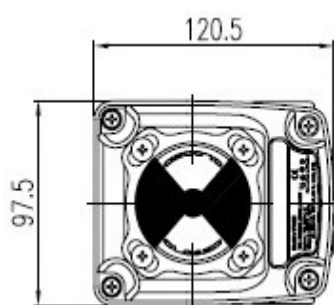
Specifications		Standard	Option	Material	
Enclosure Protection		Weather proof, IP67 / NEMA4 & 4X	IP68	Housing	Aluminium die-casting
Ambient Temp.		-20°C ~ 80°C		Shaft	Stainless steel
Conduit Entry		2 x NPT1/2	NPT1/2, PF1/2, M20	Indicator cover	Polycarbonate
Switches	SK-100	Mechanical switch(2XSPDT) AC:250V 3A, 125V 5A DC:250V 0.2A, 125V 0.4A, 30V 4A		Indicator	ABS / Polycarbonate
	SK-110	Proximity sensor x 2 DC 12 ~ 24V			
Terminal		8 Points		Cam	Polycarbonate
Shaft		Standard Shaft(17mm)	Long Shaft	Spring	Stainless steel
External Coating		Polyester powder coating(black)		O-ring	NBR
Weight		880g(1.94lb)		Bracket	Stainless steel

Mounting Bracket(Namur Standard)

Model No.	Material	Application
ST-1	Stainless steel	30 * 80, H : 20
ST-2	Stainless steel	30 * 80, H : 30
ST-3	Stainless steel	30 * 130, H : 30
ST-4	Stainless steel	30 * 130, H : 50



Dimensions



Limit Switch Box SK-120

Features

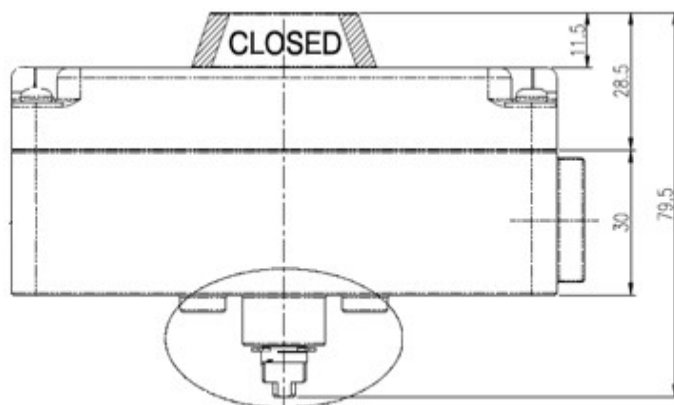
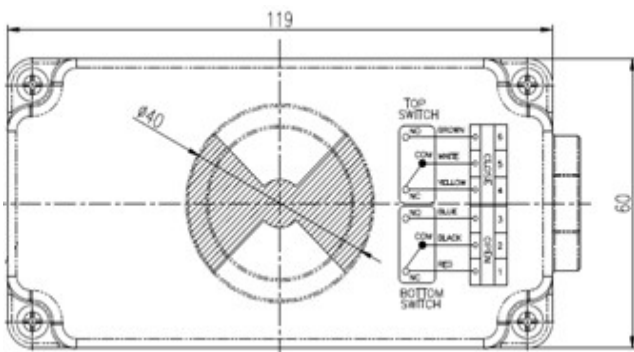
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- 2) "Quick-Set" Cam : Limit Switch adjustment cams are splined and spring loaded. The switch cam position can be quickly adjusted without tools(closed-up, open-down).
- 3) Multipoint Terminal Strip : Terminal strip number with 6 contacts is standard for micro switches.
- 4) Dual 1/2" conduit entries.
- 5) Captive Cover Bolts
- 6) Easy Mounting Bracket : Any actuator for rotary motion can be easily mounted in ISO 5211



Specifications

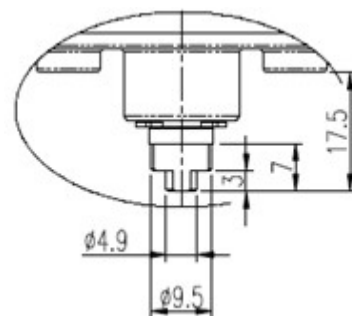
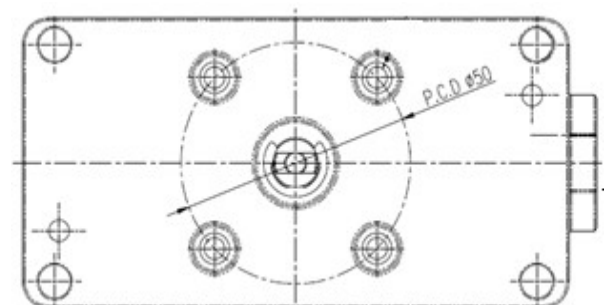
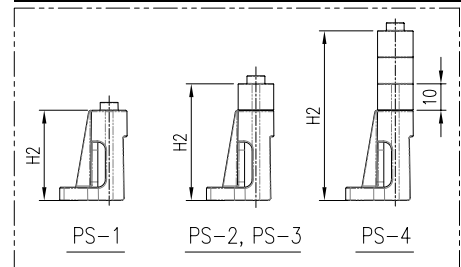
Specifications		Standard
Enclosure Protection		Weather proof, IP67 / NEMA4 & 4X
Ambient Temp.		-20°C ~ 80°C
Conduit Entry		NPT1/2, PT1/2, M20
Switches		Mechanical switch(2XSPDT)
Rating	AC	250V 3A, 125V 5A
Voltage	DC	250V 0.2A, 125V 0.4A, 30V 4A
Terminal		6 Points
Material		PC & PP
Weight		220g(0.48lb)

Dimensions



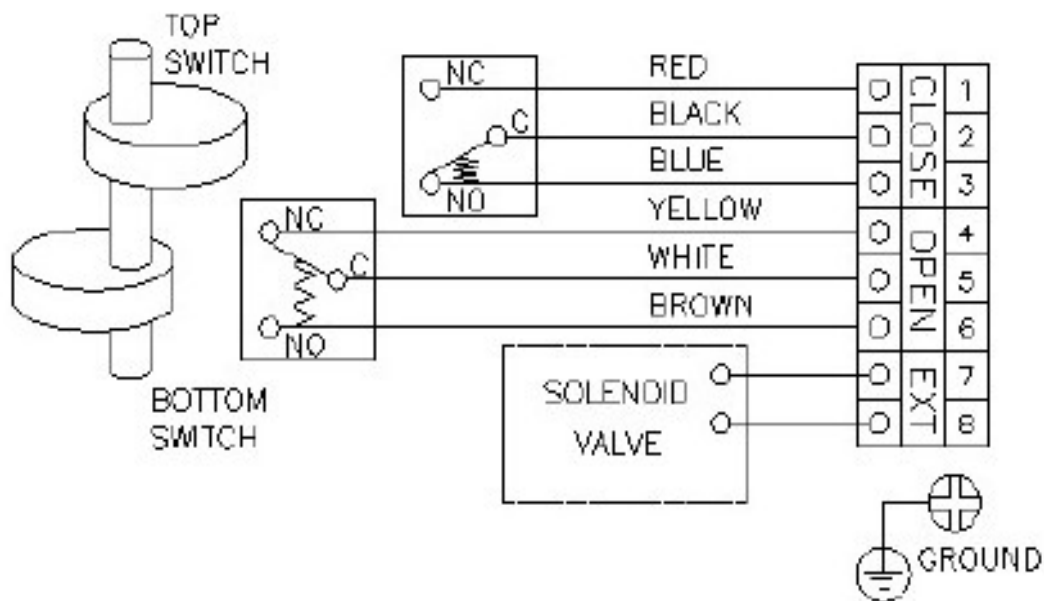
Mounting Bracket

Model No.	Application
PS-1	30 * 80, H : 20
PS-2	30 * 80, H : 30
PS-3	30 * 130, H : 30
PS-4	30 * 130, H : 50

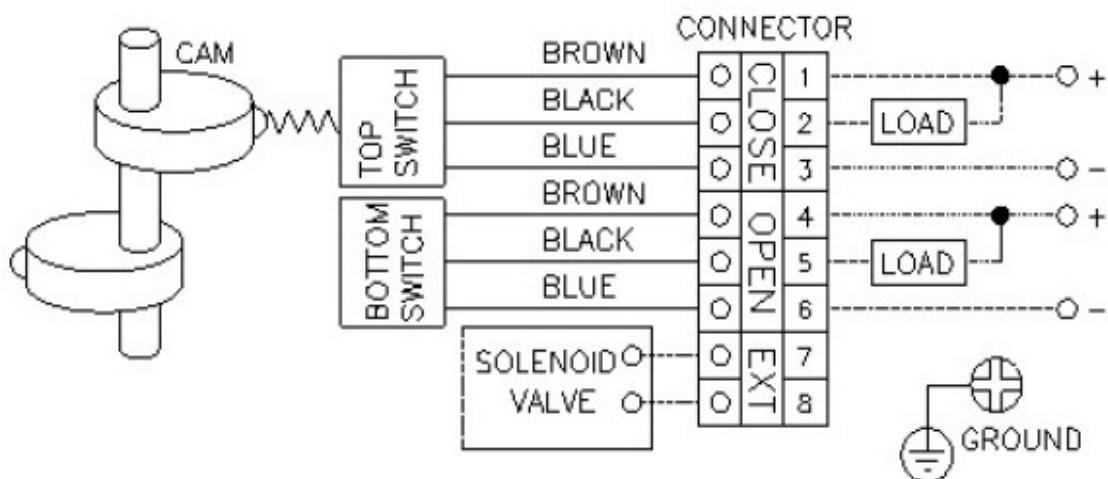


Limit Switch Box Diagram

Mechanical Type(2 SPDT)



Proximity Type(NPN Sensor)



Limit Switch Box SZL-WL series



Features

- Single Pole Double Throw, Double Break
- High mechanical strength and Rugged Aluminum die-cast housing
- Wide range of levers and actuators
- Standard mounting dimensions
- 10 Amp current capacity
- Long mechanical life
- Set position indicator for easy maintenance
- Oiltight, waterproof and dustproof construction
- UL, CSA, CE approved
- IP67 Enclosure rating

Description

The new economical SZL-WL series general purpose limit switches are cost-effective switches for detecting objects in a wide range of applications from general purpose conveyors to heavy-duty machinery. Rugged and reliable, these switches are offered with a variety of actuators, functions types, high precision types, double sealing types as well as weld-immune types can be selected based on your specific application. These switches are specially designed for world-wide applications and supported by Honeywell global resources for sales and after sales service. Customers will benefit from Honeywell's vast experience in serving world industries over many years. To minimize plant down-time and reduce maintenance costs, the SZL-WL series include indicator type switches with twin LEDs.

Applications

- Machine tools
- Material handling
- Food and beverage
- Conveyors
- Special machinery
- Control Valve
- Auto Parking

Limit Switch Box SZL-WL series

Model Selection Guide

Type Actuator	Standard	Overtravel				High precision
		A series 	B series 	C series 	D series 	
Side Rotary Roller Lever Standard	SZL-WL-A	SZL-WLA-A	SZL-WLB-A	SZL-WLC-A	SZL-WLD-A	SZL-WLE-A
Side Rotary Roller Lever Adjustable	SZL-WL-B	SZL-WLA-B	SZL-WLB-B	SZL-WLC-B	SZL-WLD-B	SZL-WLE-B
Side Rotary Rod Adjustable	SZL-WL-C	SZL-WLA-C	SZL-WLB-C	SZL-WLC-C	SZL-WLD-C	SZL-WLE-C
Fork Lock Lever (opposite direction rollers)	SZL-WL-D					
Fork Lock Lever (same direction rollers)	SZL-WL-P					
Top Roller Plunger	SZL-WL-E					
Top Plunger	SZL-WL-F					
Top Roller plunger Sealed	SZL-WL-G					
Side Roller Plunger	SZL-WL-H					
Top Ball Plunger	SZL-WL-I					
Side Plunger	SZL-WL-J					
Wobble-coil spring (φ 6.5)	SZL-WL-K					
Wobble-coil spring (φ 4.8)	SZL-WL-L					
Wobble-plastic rod (φ 8.0)	SZL-WL-M	Note: 1. As for indicator types and special types, refer to the numbering below. 2. In addition to the listings above, many more standard and special types are available on your specific application needs.				
Wobble-steel wire (φ 1.0)	SZL-WL-N					

Numbering Scheme

SZL-WL □ - □ - □ □
① ② ③ ④

① Type

None Standard
A Overtravel A series
B Overtravel B series
C Overtravel C series
D Overtravel D series
E High Precision

② Actuator

Refer to the table above

③ Special Type

None Non-special
L Weld-immune type
E Double Sealing type

④ Indicator

None No indicator
LE Neon lamp(AC type)
L3 LED(DC24V/1.3mA)

Limit Switch Box SZL-WL series

Technical Information

Electrical Ratings

Part Number (Type)	Rated Voltage (V)	Make and break amps (Non-inductive load)				Make and break amps (inductive load)			
		Resistive load		Lamp load		Inductive load		Motor load	
		NC	NO	NC	NO	NC	NO	NC	NO
Standard type Overtravel A series Overtravel C series Overtravel D series High precision	AC 125	10		3	1.5	10		5	2.5
	250	10		2	1	10		3	1.5
	480	10		1.5	0.8	3		1.5	0.8
	DC 8	10		6	3	10		6	
	14	10		6	3	10		6	
	30	6		4	3	6		4	
	125	0.8		0.2	0.2	0.8		0.2	
	250	0.4		0.1	0.1	0.4		0.1	
	AC 125	5		-	-	-		-	
	250	5		-	-	-		-	
Overtravel B series	DC 125	0.4		-	-	-		-	
	250	0.2		-	-	-		-	

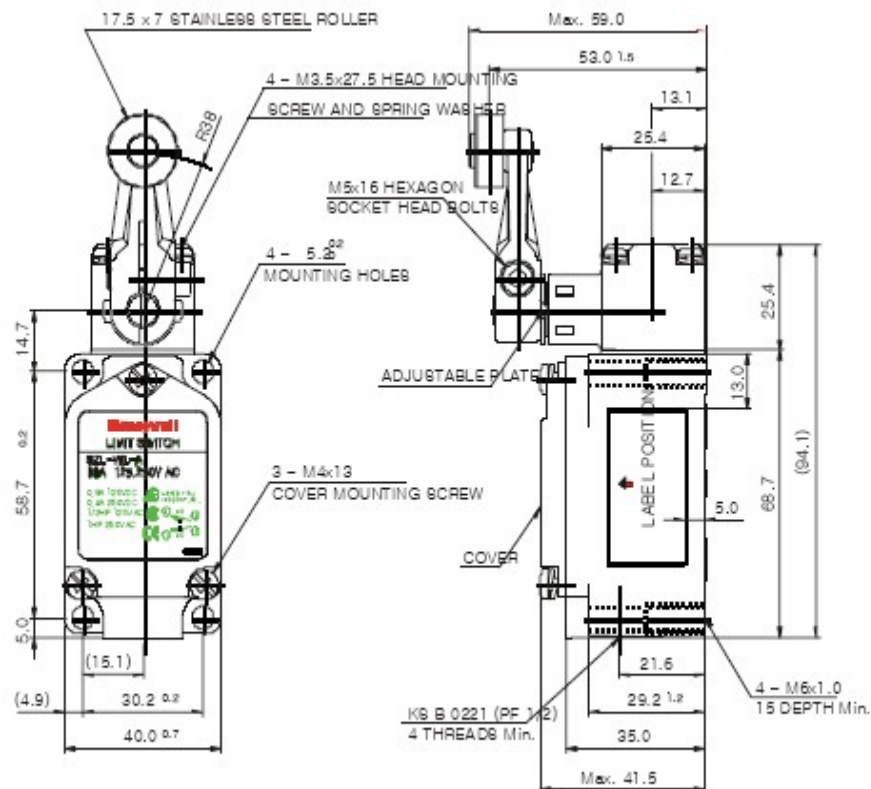
Notes : 1. Inductive load : power factor=0.4, time constant=7ms
2. Lamp load has an inrush current of 10 times the steady state current.
3. Motor load has an inrush current of 6 times the steady state current.

Specifications

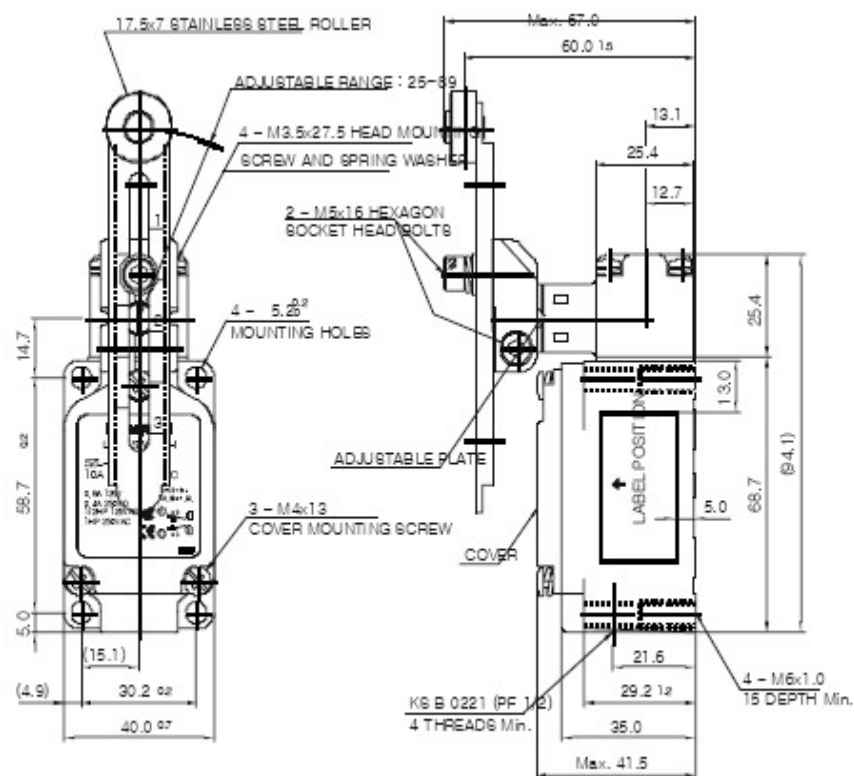
Circuitry	Single Pole Double Throw, Double Break
Actuators	Refer to the model selection
Operating speed	1mm/s to 1,000 mm/s with SZL-WL-A
Max. Operating frequency	Mechanical : 120 operations/min, Electrical : 20 operations/min
Contact Material	Ag + Cu
Contact resistance(Initial)	Max. 25mΩ
Insulation resistance	Min. 100MΩ (at 500VDC)
Dielectric strength	1,000VAC, 50/60 Hz for 1 min between non-continuous terminals (600VAC for overtravel B series) 2,200VAC, 50/60 Hz for 1 min between each terminal and non-current-carrying metal part and between each terminal and ground (1,500VAC for overtravel B series)
Temperature rise	Max. 50 °C
Vibration resistance	Malfunction durability : 10 to 50 Hz, 1.5mm double amplitude (exclude wobble actuator types: -K,-L,-M,-N listings)
Shock resistance	Destruction durability : approx. 1,000 m/s ² (100G) Malfunction durability : approx. 300 m/s ² (30G) (exclude wobble actuator types)
Ambient temperature	Operating : -10°C to +80°C (14°F to 176°F)
Ambient Humidity	Operating : Max. 95 %RH
Service life	Mechanical : 15,000,000 operations (10,000,000 operations for overtravel B series and wobble) Electrical : 750,000 operations (500,000 operations for overtravel B series)
Weight	Approx. 270 g with SZL-WL-A
Agency Approvals	C-UL,CE,CSA approved
Sealing	IP67

Limit Switch Box SZL-WL series

Dimensions



<SZL-WL-A>



<SZL-WL-B>