GLOBAL STYLE SAFETY LIMIT SWITCHES (METAL BODIED EN50047 COMPATIBLE)

SN2 SERIES (3 - CONDUIT ENTRIES)

We are committed to delivering world class products and services efficiently and effectively to our customers. Your total satisfaction is our goal.



Features

- Zinc die cast body
- Earth grounding surface on same level as switching
- Easily interchangeable contact block
- Galvanically separated contacts
- Screw terminals with self-lifting clamps for easy wiring
- Positive Opening of NC contacts
- 4 x 90° actuator positions
- Cable entry available: M20, PG13.5 and 1/2"NPT
- Conform to EN 50047 standard

Definitions of Operating Characteristics

OF	Operating Force
RF	Releasing Force
OT	Overtravel
TT	Total Travel
PT	Pretravel
MD	Movement Differential
OP	Operating Position
PO	Travel to Positive Opening



Specifications

Operating Speed	0.05mm-2m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 30 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ (initial value)
Rated Thermal Current	10A/600V AC (EN60947-5-1)
	UL/cUL Listed (E216958) AC15 A600 / DC13 Q300
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1.0 x10^7 (operations) Electrically 5 x10^5 (operations)
Operating Temperature	-25~+80°C (-13~176°F) with no icing
Humidity	< 95%RH
Weight	270-320g
Degree of Protection	IP67

Selection Guide:

SN21 (Body Styles) **04** (Head Styles) **SP** - **C** - **R**

SP:
- SP: 1NO/1NC Snap action
- SPT: 2NO/2NC Snap action
- SL: BBM 1NO/1NC Slow Action changeover
- SL1: MBB 1NO/1NC Slow Action Overlapping
- SL2: 2NC Slow Action
- SL3: 2NO Slow Action
- SL4: 3NC Slow Action
- SL5: 3NO Slow Action
- SL6: BBM 2NC/1NO Slow Action changeover
- SL7: MBB 2NC/1NO Slow Action Overlapping
- SL8: BBM 2NO/1NC Slow Action changeover
- SL9: MBB 2NO/1NC Slow Action Overlapping

C (Conduits):
- A: 1/2"NPT
- B: PG13.5
- C: M20 Conduits
- D: M16
- B1: PG11

R:
- Blank
- R: with Reset

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Available contact blocks and travel diagrams

ON OFF

Plunger type
11,12 styles

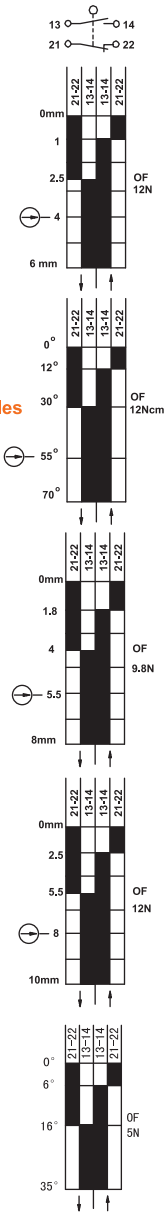
Side rotary type
04, 07, 08, 14, 18 Styles

62, 63 styles

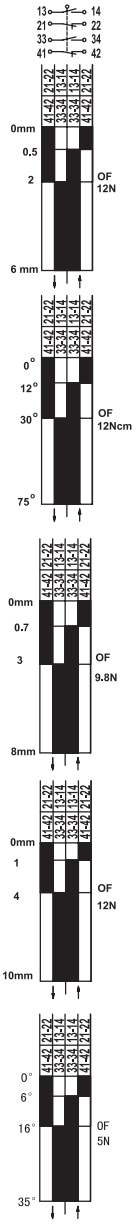
72, 73 styles

00, 66,69 styles

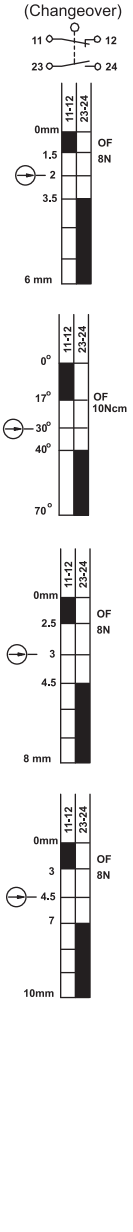
SP
1NO/1NC
Snap Action



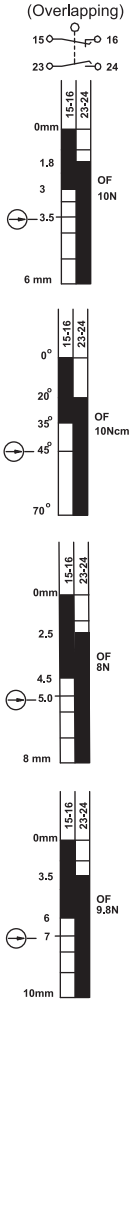
SPT
2NO/2NC
Snap Action



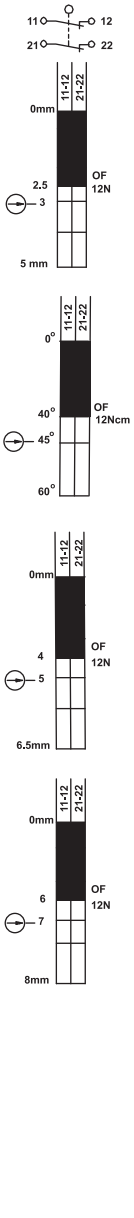
SL
1NO/1NC
Slow Action
(Changeover)



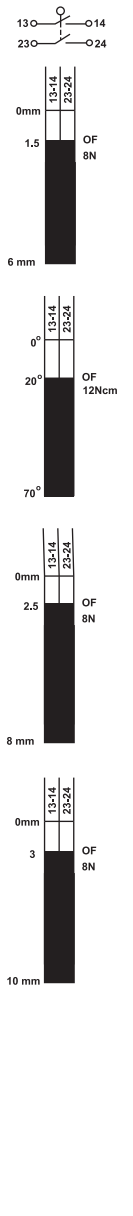
SL1
1NO/1NC
Slow Action
(Overlapping)



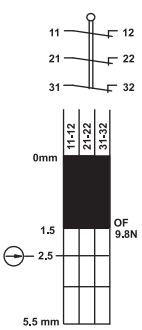
SL2
2NC
Slow Action



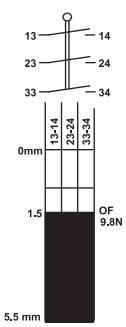
SL3
2NO
Slow Action



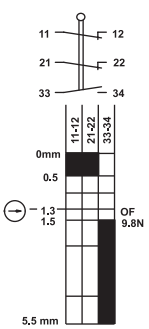
SL4
3NC
Slow Action



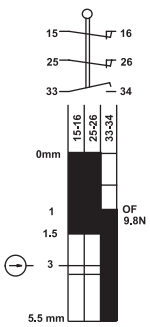
SL5
3NO
Slow Action



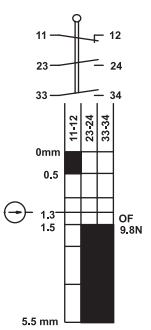
SL6
2NC/1NO
Slow Action
(Changeover)



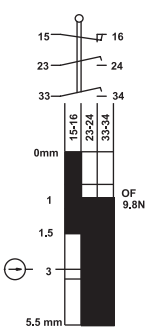
SL7
2NC/1NO
Slow Action
(Overlapping)



SL8
1NC/2NO
Slow Action
(Changeover)



SL9
1NC/2NO
Slow Action
(Overlapping)

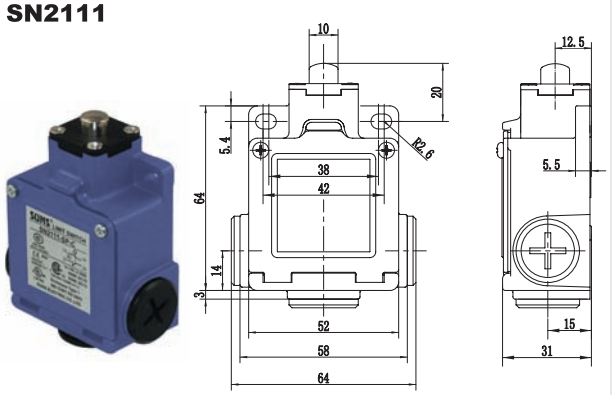


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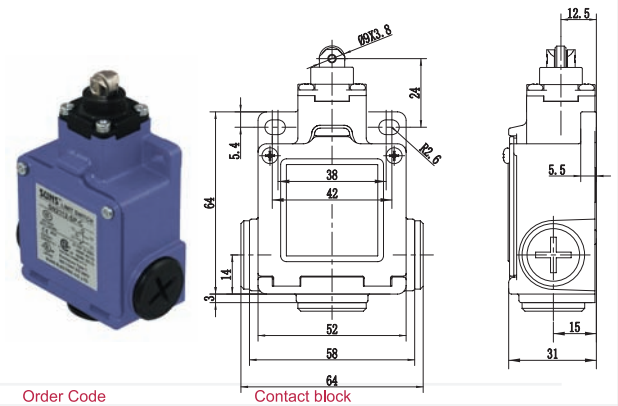
SN2 SERIES (3 - CONDUIT ENTRIES)

SN2111



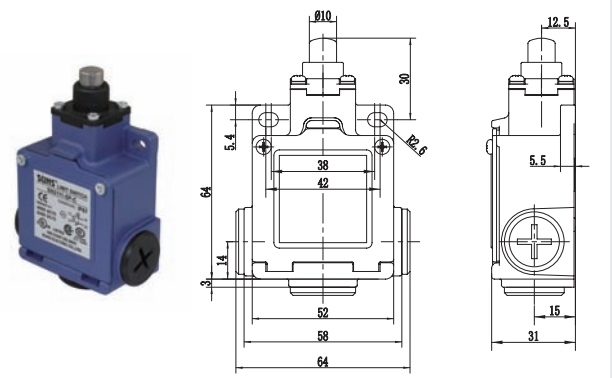
Order Code	Contact block			
SN2111-SP- _	SP	⊖	snap action	1NO+1NC
SN2111-SL- _	SL	⊖	slow action	1NO+1NC BBM
SN2111-SL1- _	SL1	⊖	slow action	1NO+1NC MBB
SN2111-SL2- _	SL2	⊖	slow action	2NC

SN2112



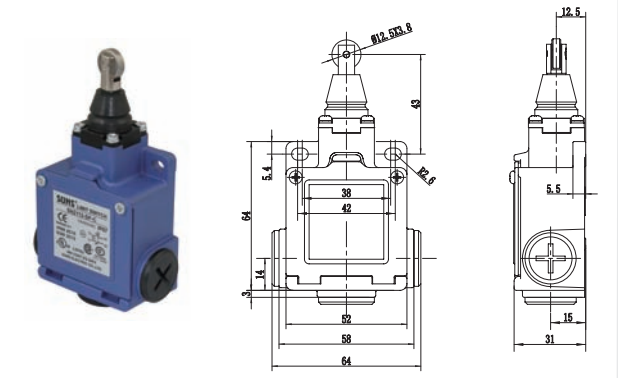
Order Code	Contact block			
SN2112-SP- _	SP	⊖	snap action	1NO+1NC
SN2112-SL- _	SL	⊖	slow action	1NO+1NC BBM
SN2112-SL1- _	SL1	⊖	slow action	1NO+1NC MBB
SN2112-SL2- _	SL2	⊖	slow action	2NC

SN2111-L



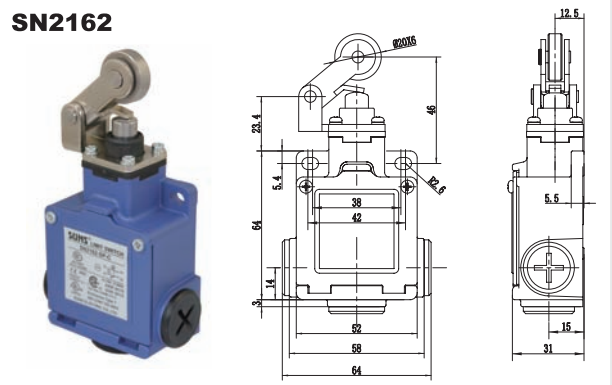
Order Code	Contact block			
SN2111-SP-L- _	SP	⊖	snap action	1NO+1NC
SN2111-SL- L-_	SL	⊖	slow action	1NO+1NC BBM
SN2111-SL1-L-_	SL1	⊖	slow action	1NO+1NC MBB
SN2111-SL2-L- _	SL2	⊖	slow action	2NC

SN2112-L



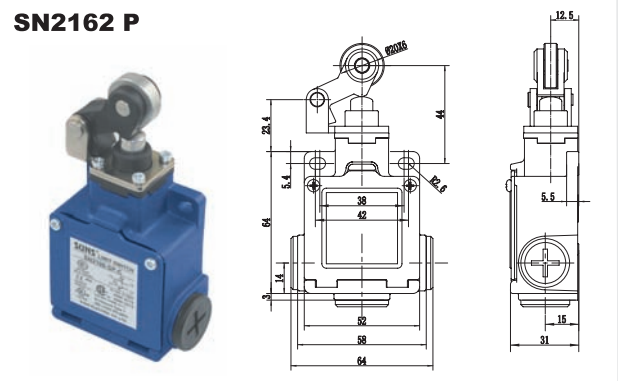
Order Code	Contact block			
SN2112-SP-L- _	SP	⊖	snap action	1NO+1NC
SN2112-SL-L _	SL	⊖	slow action	1NO+1NC BBM
SN2112-SL1-L- _	SL1	⊖	slow action	1NO+1NC MBB
SN2112-SL2-L- _	SL2	⊖	slow action	2NC

SN2162



Order Code	Contact block			
SN2162-SP- _	SP	⊖	snap action	1NO+1NC
SN2162-SL- _	SL	⊖	slow action	1NO+1NC BBM
SN2162-SL1- _	SL1	⊖	slow action	1NO+1NC MBB
SN2162-SL2- _	SL2	⊖	slow action	2NC

SN2162 P

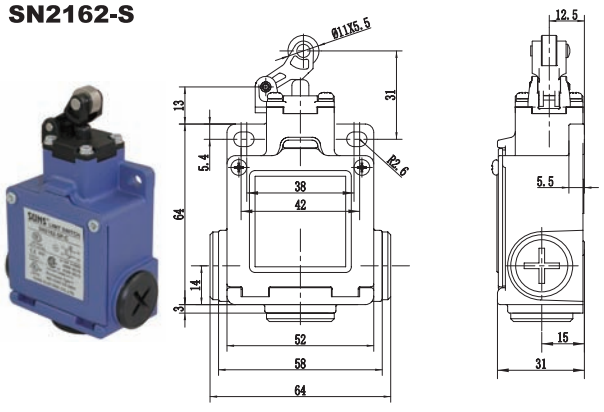


Order Code	Contact block			
SN2162-SP- _P	SP	⊖	snap action	1NO+1NC
SN2162-SL- _P	SL	⊖	slow action	1NO+1NC BBM
SN2162-SL1- _P	SL1	⊖	slow action	1NO+1NC MBB
SN2162-SL2- _P	SL2	⊖	slow action	2NC

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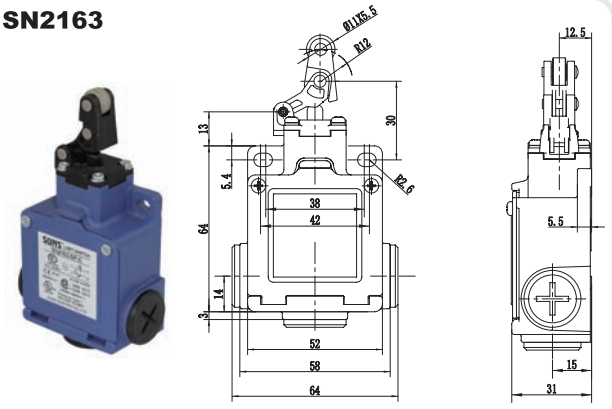
SN2 SERIES (3 - CONDUIT ENTRIES)

SN2162-S



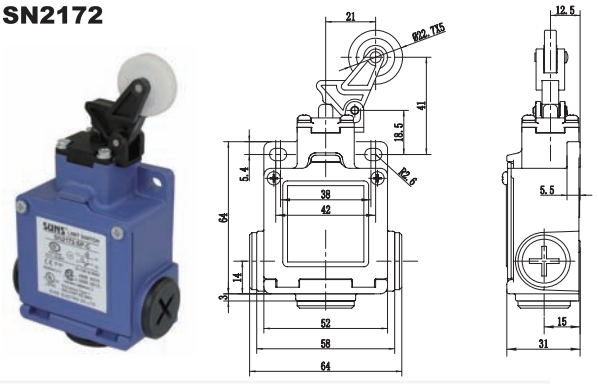
Order Code	Contact block			
SN2162-SP- _-S	SP	snap action	1NO+1NC	
SN2162-SL- _-S	SL	slow action	1NO+1NC	BBM
SN2162-SL1- _-S	SL1	slow action	1NO+1NC	MBB
SN2162-SL2- _-S	SL2	slow action	2NC	

SN2163



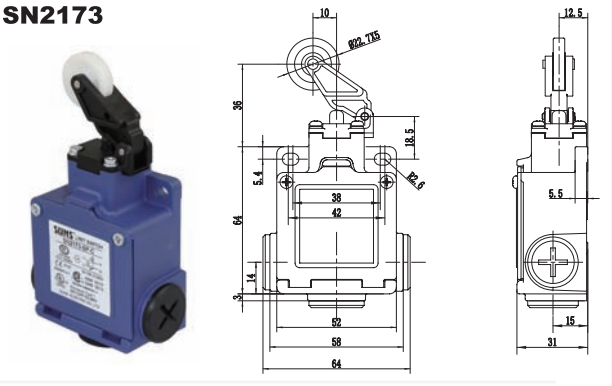
Order Code	Contact block			
SN2163-SP- _	SP	snap action	1NO+1NC	
SN2163-SL- _	SL	slow action	1NO+1NC	BBM
SN2163-SL1- _	SL1	slow action	1NO+1NC	MBB
SN2163-SL2- _	SL2	slow action	2NC	

SN2172



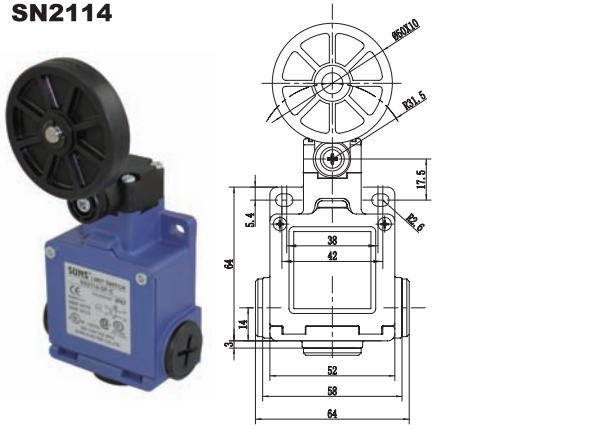
Order Code	Contact block			
SN2172-SP- _	SP	snap action	1NO+1NC	
SN2172-SL- _	SL	slow action	1NO+1NC	BBM
SN2172-SL1- _	SL1	slow action	1NO+1NC	MBB
SN2172-SL2- _	SL2	slow action	2NC	

SN2173



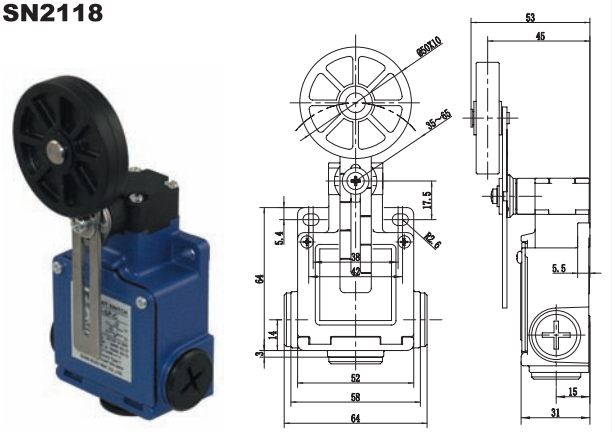
Order Code	Contact block			
SN2173-SP- _	SP	snap action	1NO+1NC	
SN2173-SL- _	SL	slow action	1NO+1NC	BBM
SN2173-SL1- _	SL1	slow action	1NO+1NC	MBB
SN2173-SL2- _	SL2	slow action	2NC	

SN2114



Order Code	Contact block			
SN2114-SP- _	SP	snap action	1NO+1NC	
SN2114-SL- _	SL	slow action	1NO+1NC	BBM
SN2114-SL1- _	SL1	slow action	1NO+1NC	MBB
SN2114-SL2- _	SL2	slow action	2NC	

SN2118

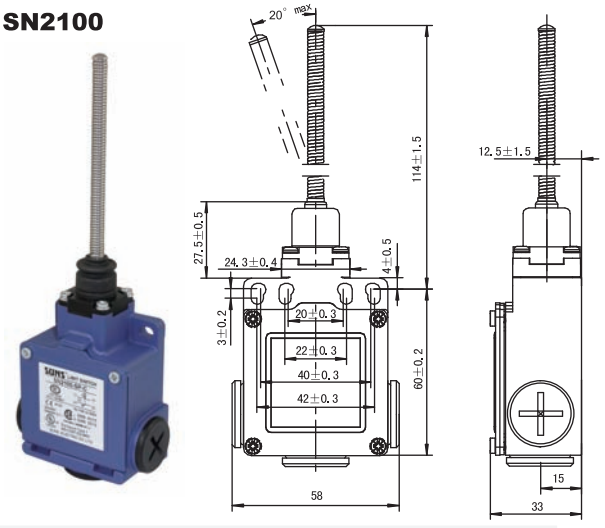


Order Code	Contact block			
SN2118-SP- _	SP	snap action	1NO+1NC	
SN2118-SL- _	SL	slow action	1NO+1NC	BBM
SN2118-SL1- _	SL1	slow action	1NO+1NC	MBB
SN2118-SL2- _	SL2	slow action	2NC	

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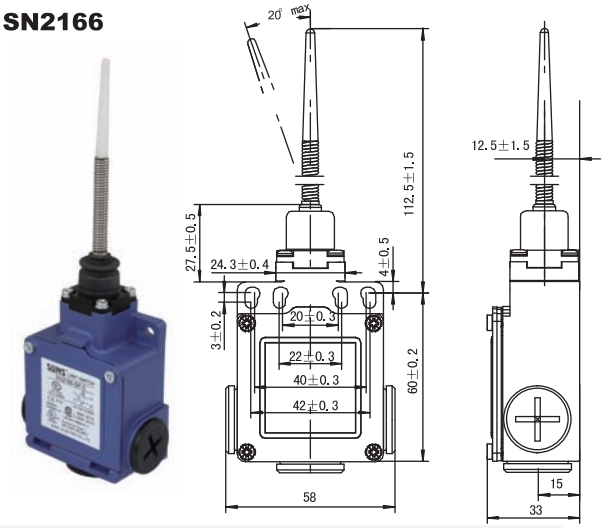
SN2 SERIES (3 - CONDUIT ENTRIES)

SN2100



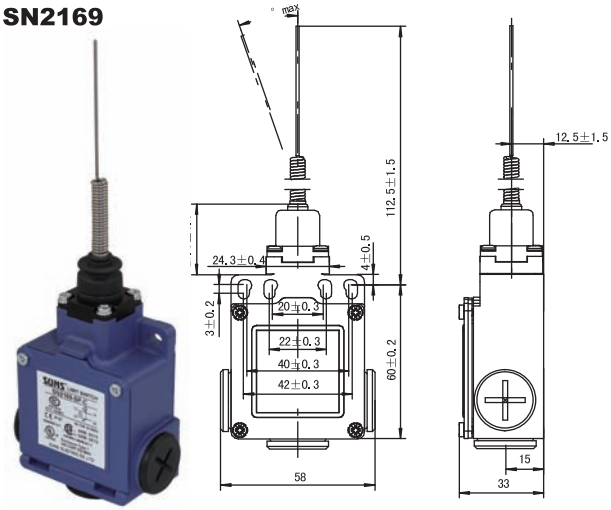
Order Code			
SN2100-SP- _	SP	snap action	1NO+1NC

SN2166



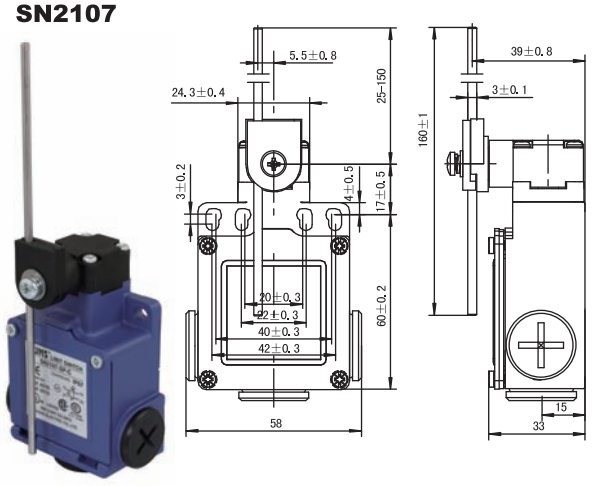
Order Code			
SN2166-SP- _	SP	snap action	1NO+1NC

SN2169



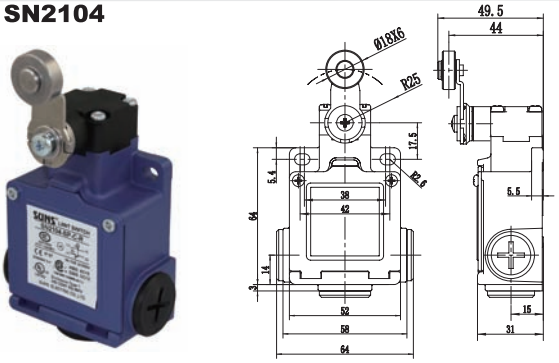
Order Code			
SN2169-SP- _	SP	snap action	1NO+1NC

SN2107



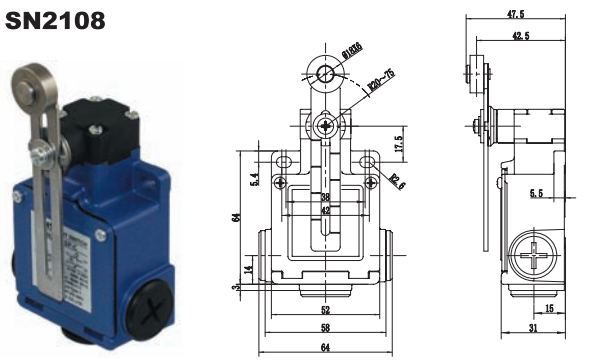
Order Code	Contact block			
SN2107-SP- _	SP	→	snap action	1NO+1NC
SN2107-SL- _	SL	→	slow action	1NO+1NC BBM
SN2107-SL1- _	SL1	→	slow action	1NO+1NC MBB
SN2107-SL2- _	SL2	→	slow action	2NC

SN2104



Order Code	Contact block			
SN2104-SP- _	SP	→	snap action	1NO+1NC
SN2104-SL- _	SL	→	slow action	1NO+1NC BBM
SN2104-SL1- _	SL1	→	slow action	1NO+1NC MBB
SN2104-SL2- _	SL2	→	slow action	2NC

SN2108



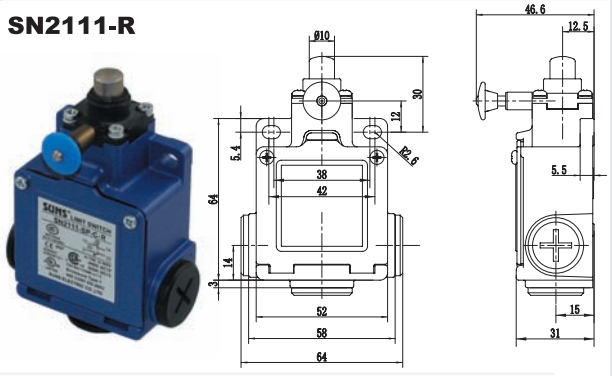
Order Code	Contact block			
SN2108-SP- _	SP	→	snap action	1NO+1NC
SN2108-SL- _	SL	→	slow action	1NO+1NC BBM
SN2108-SL1- _	SL1	→	slow action	1NO+1NC MBB
SN2108-SL2- _	SL2	→	slow action	2NC

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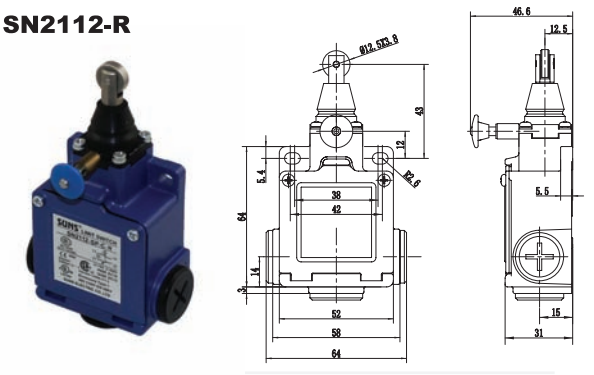
SN2 SERIES (3 - CONDUIT ENTRIES WITH RESET)

SN2111-R



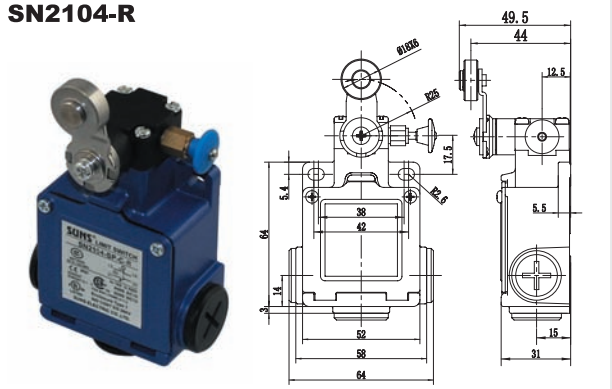
Order Code	Contact block			
SN2111-SP- _R	SP	→	snap action	1NO+1NC
SN2111-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2111-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2111-SL2- _R	SL2	→	slow action	2NC

SN2112-R



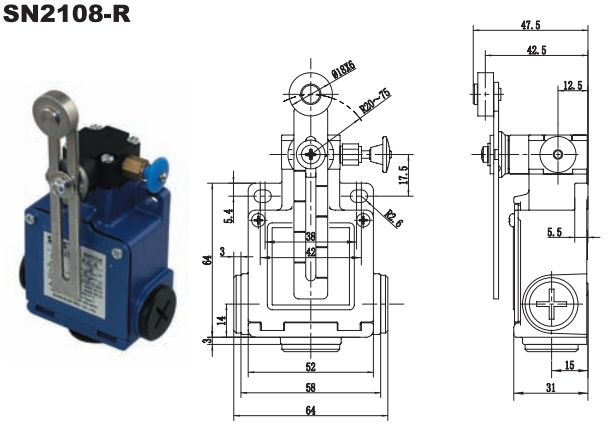
Order Code	Contact block			
SN2112-SP- _R	SP	→	snap action	1NO+1NC
SN2112-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2112-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2112-SL2- _R	SL2	→	slow action	2NC

SN2104-R



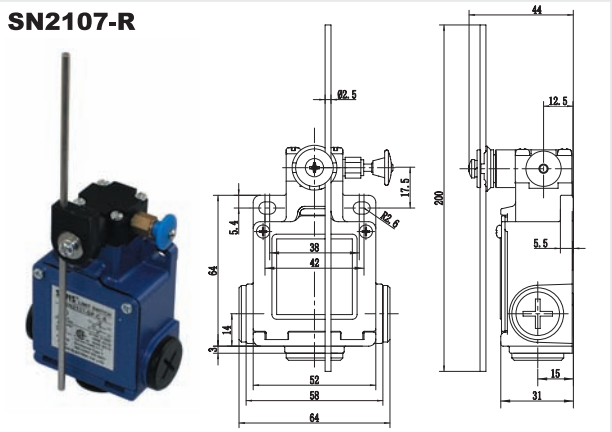
Order Code	Contact block			
SN2104-SP- _R	SP	→	snap action	1NO+1NC
SN2104-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2104-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2104-SL2- _R	SL2	→	slow action	2NC

SN2108-R

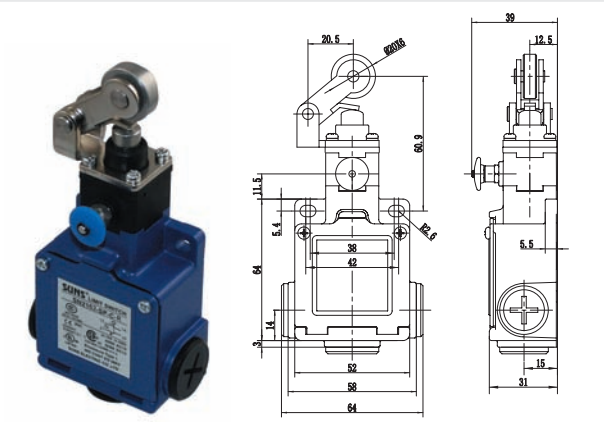


Order Code	Contact block			
SN2108-SP- _R	SP	→	snap action	1NO+1NC
SN2108-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2108-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2108-SL2- _R	SL2	→	slow action	2NC

SN2107-R



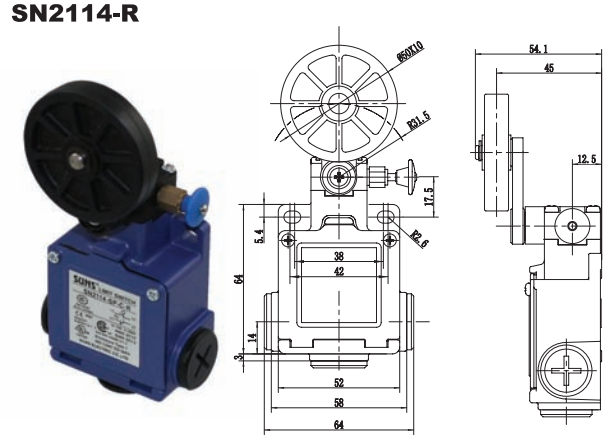
Order Code	Contact block			
SN2107-SP- _R	SP	→	snap action	1NO+1NC
SN2107-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2107-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2107-SL2- _R	SL2	→	slow action	2NC



Order Code	Contact block			
SN2162-SP- _R	SP	→	snap action	1NO+1NC
SN2162-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2162-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2162-SL2- _R	SL2	→	slow action	2NC

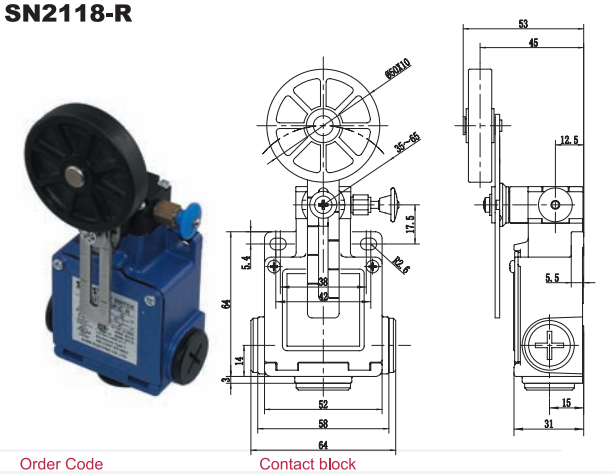
GLOBAL STYLE SAFETY LIMIT SWITCHES (METAL BODIED EN50047 COMPATIBLE)
SN2 SERIES (3 - CONDUIT ENTRIES WITH RESET)

SN2114-R



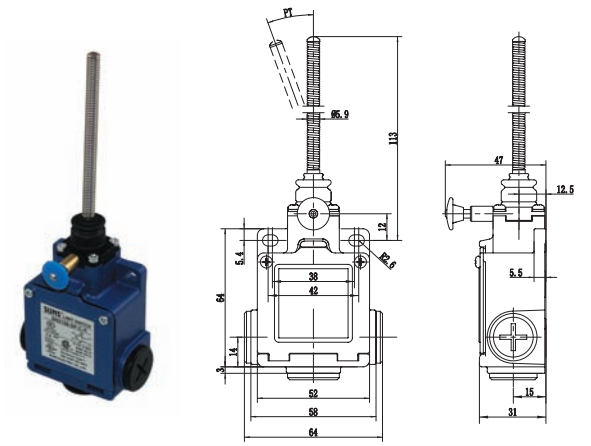
Order Code	Contact block			
SN2114-SP- _R	SP	→	snap action	1NO+1NC
SN2114-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2114-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2114-SL2- _R	SL2	→	slow action	2NC

SN2118-R



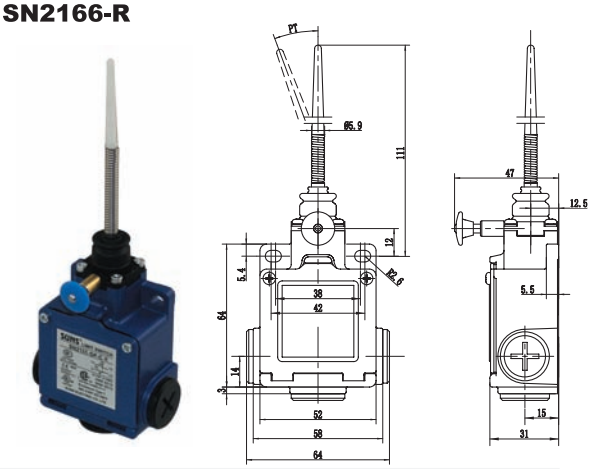
Order Code	Contact block			
SN2118-SP- _R	SP	→	snap action	1NO+1NC
SN2118-SL- _R	SL	→	slow action	1NO+1NC BBM
SN2118-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SN2118-SL2- _R	SL2	→	slow action	2NC

SN2100-R



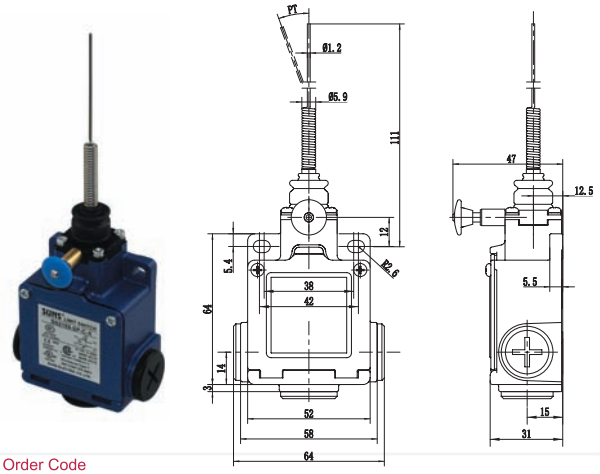
Order Code			
SN2100-SP- _R	SP	snap action	1NO+1NC

SN2166-R



Order Code			
SN2166-SP- _R	SP	snap action	1NO+1NC

SN2169-R



Order Code			
SN2169-SP- _R	SP	snap action	1NO+1NC