GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)
SND4 SERIES (SINGLE CONDUIT ENTRY)

SUNS products are safe and reliable products which are widely used in various mechanical devices.

Features

- Glass fiber reinforced plastic body
- 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)
	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	50-100g
Degree of Protection	IP67

Selection Guide:

SND41 (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
- D: M16
- B1: PG11

R:
- Blank
- R: with Reset

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Available contact blocks and travel diagrams

ON OFF

Plunger type
11,12,31,32 styles

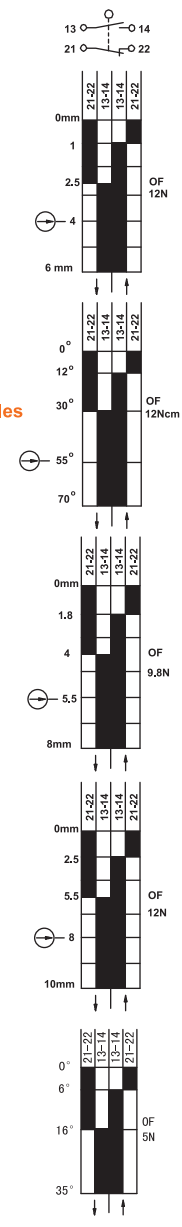
Side rotary type
04, 07, 08, 14, 18 Styles

62, 63 styles

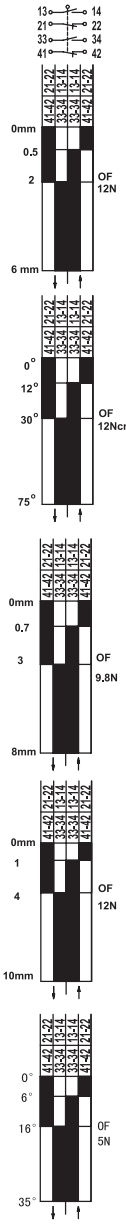
72, 73 styles

00, 66,69 styles

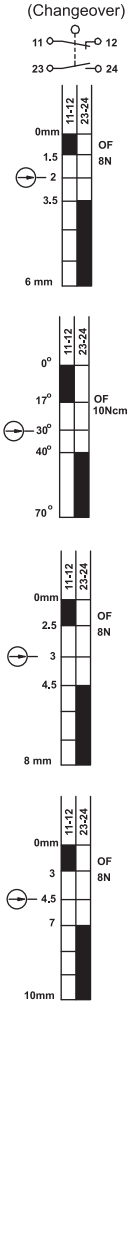
SP
1NO/1NC
Snap Action



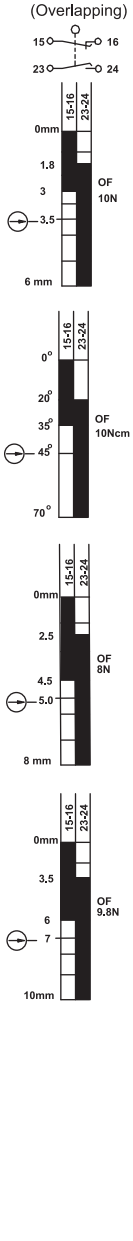
SPT
2NO/2NC
Snap Action



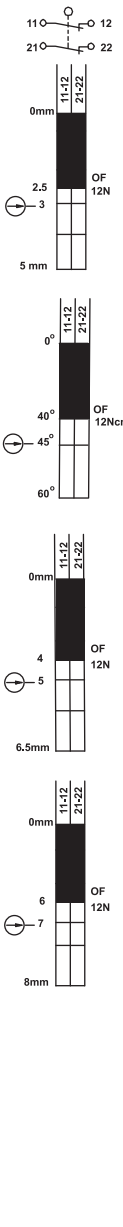
SL
1NO/1NC
Slow Action
(Changeover)



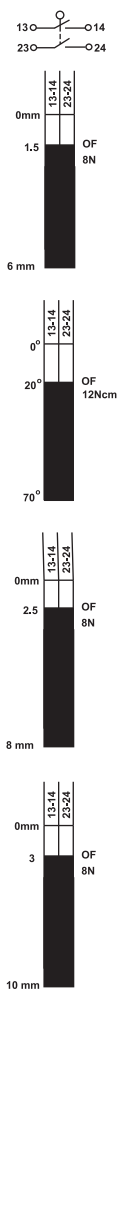
SL1
1NO/1NC
Slow Action
(Overlapping)



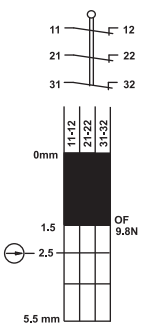
SL2
2NC
Slow Action



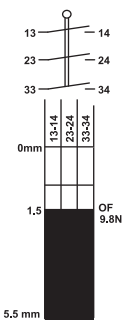
SL3
2NO
Slow Action



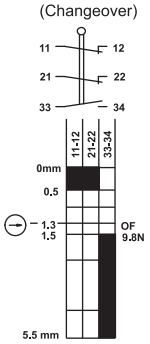
SL4
3NC
Slow Action



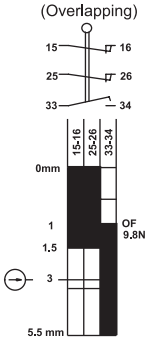
SL5
3NO
Slow Action



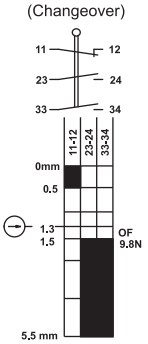
SL6
2NC/1NO
Slow Action
(Changeover)



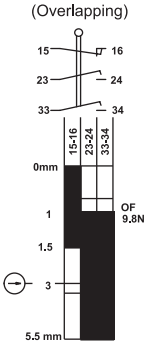
SL7
2NC/1NO
Slow Action
(Overlapping)



SL8
1NC/2NO
Slow Action
(Changeover)



SL9
1NC/2NO
Slow Action
(Overlapping)



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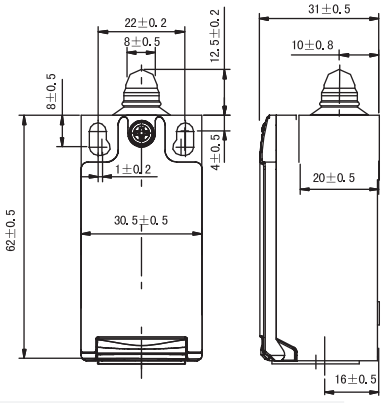
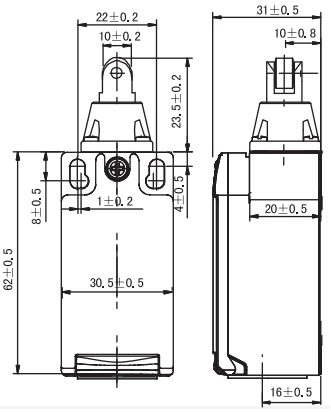
GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)
SND4 SERIES (SINGLE CONDUIT ENTRY)

SND4111



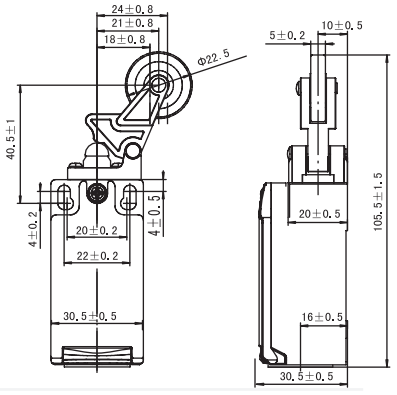
Order Code	Contact block			
SND4111-SP-_	SP	snap action	1NO+1NC	
SND4111-SL-_	SL	slow action	1NO+1NC	BBM
SND4111-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4111-SL2-_	SL2	slow action	2NC	

SND4112



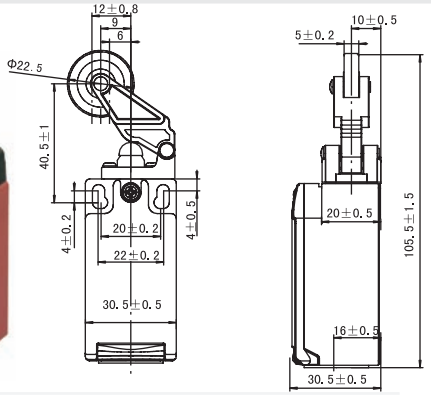
Order Code	Contact block			
SND4112-SP-_	SP	snap action	1NO+1NC	
SND4112-SL-_	SL	slow action	1NO+1NC	BBM
SND4112-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4112-SL2-_	SL2	slow action	2NC	

SND4172



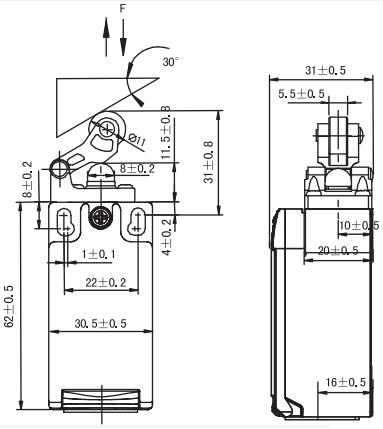
Order Code	Contact block			
SND4172-SP-_	SP	snap action	1NO+1NC	
SND4172-SL-_	SL	slow action	1NO+1NC	BBM
SND4172-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4172-SL2-_	SL2	slow action	2NC	

SND4173



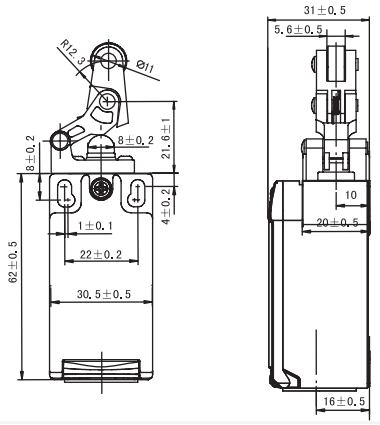
Order Code	Contact block			
SND4173-SP-_	SP	snap action	1NO+1NC	
SND4173-SL-_	SL	slow action	1NO+1NC	BBM
SND4173-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4173-SL2-_	SL2	slow action	2NC	

SND4162



Order Code	Contact block			
SND4162-SP-_	SP	snap action	1NO+1NC	
SND4162-SL-_	SL	slow action	1NO+1NC	BBM
SND4162-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4162-SL2-_	SL2	slow action	2NC	

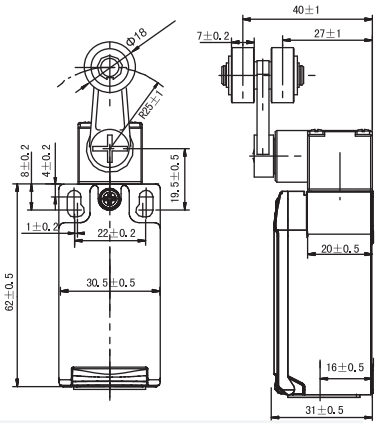
SND4163



Order Code	Contact block			
SND4163-SP-_	SP	snap action	1NO+1NC	
SND4163-SL-_	SL	slow action	1NO+1NC	BBM
SND4163-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4163-SL2-_	SL2	slow action	2NC	

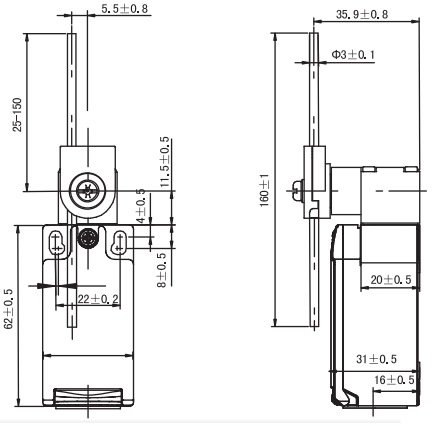
GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)
SND4 SERIES (SINGLE CONDUIT ENTRY)

SND4104



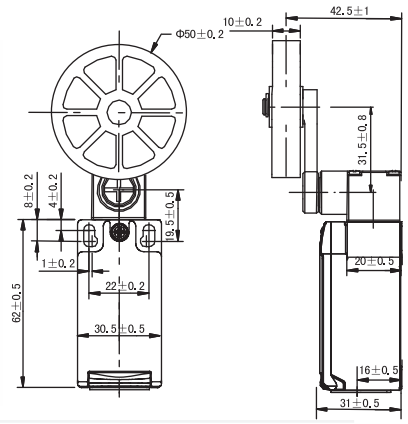
Order Code	Contact block			
SND4104-SP- _	SP	⊕	snap action	1NO+1NC
SND4104-SL- _	SL	⊕	slow action	1NO+1NC BBM
SND4104-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SND4104-SL2- _	SL2	⊕	slow action	2NC

SND4107



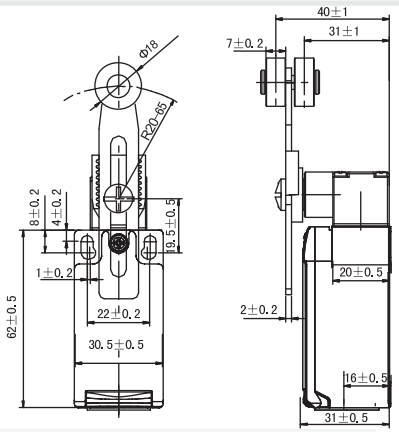
Order Code	Contact block			
SND4107-SP- _	SP	⊕	snap action	1NO+1NC
SND4107-SL- _	SL	⊕	slow action	1NO+1NC BBM
SND4107-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SND4107-SL2- _	SL2	⊕	slow action	2NC

SND4114



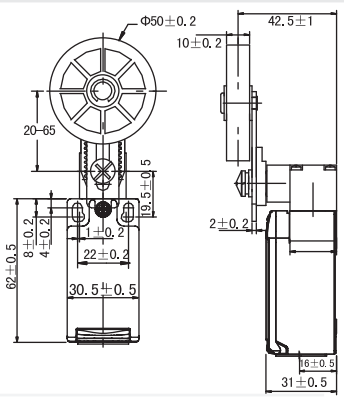
Order Code	Contact block			
SND4114-SP- _	SP	⊕	snap action	1NO+1NC
SND4114-SL- _	SL	⊕	slow action	1NO+1NC BBM
SND4114-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SND4114-SL2- _	SL2	⊕	slow action	2NC

SND4108



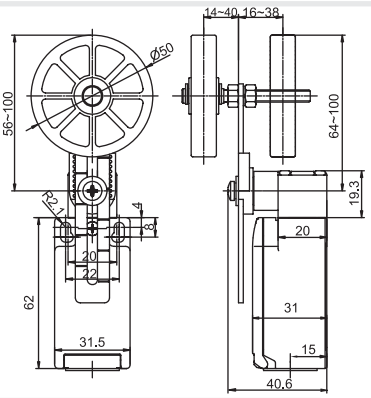
Order Code	Contact block			
SND4108-SP- _	SP	⊕	snap action	1NO+1NC
SND4108-SL- _	SL	⊕	slow action	1NO+1NC BBM
SND4108-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SND4108-SL2- _	SL2	⊕	slow action	2NC

SND4118



Order Code	Contact block			
SND4118-SP- _	SP	⊕	snap action	1NO+1NC
SND4118-SL- _	SL	⊕	slow action	1NO+1NC BBM
SND4118-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SND4118-SL2- _	SL2	⊕	slow action	2NC

SND4118-ADJ



Order Code	Contact block			
SND4118-SP- _ADJ	SP	⊕	snap action	1NO+1NC
SND4118-SL- _ADJ	SL	⊕	slow action	1NO+1NC BBM
SND4118-SL1- _ADJ	SL1	⊕	slow action	1NO+1NC MBB
SND4118-SL2- _ADJ	SL2	⊕	slow action	2NC

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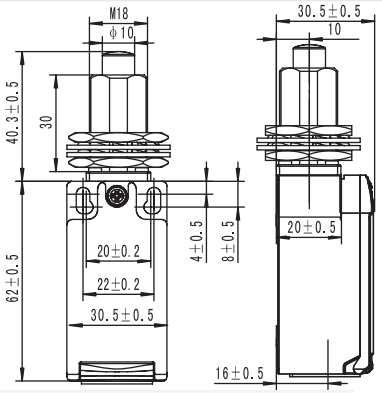
GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)

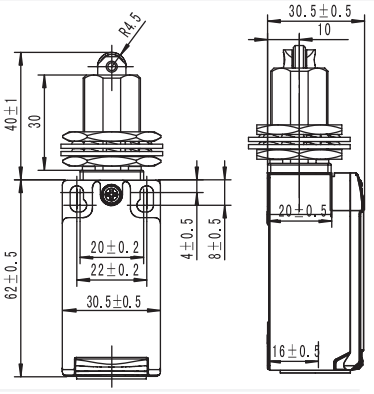
SND4 SERIES (SINGLE CONDUIT ENTRY)

SND4131



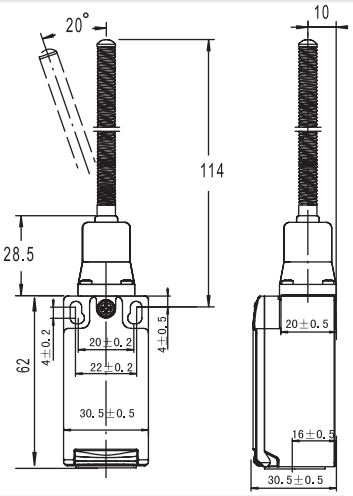
Order Code	Contact block			
SND4131-SP-_	SP	snap action	1NO+1NC	
SND4131-SL-_	SL	slow action	1NO+1NC	BBM
SND4131-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4131-SL2-_	SL2	slow action	2NC	

SND4132



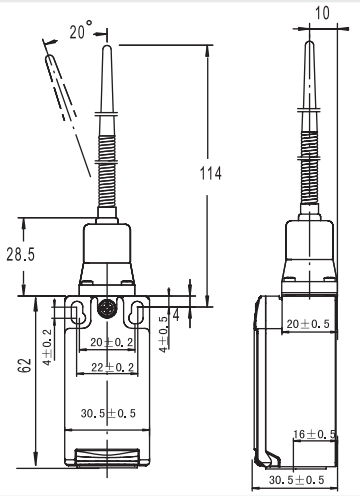
Order Code	Contact block			
SND4132-SP-_	SP	snap action	1NO+1NC	
SND4132-SL-_	SL	slow action	1NO+1NC	BBM
SND4132-SL1-_	SL1	slow action	1NO+1NC	MBB
SND4132-SL2-_	SL2	slow action	2NC	

SND4100



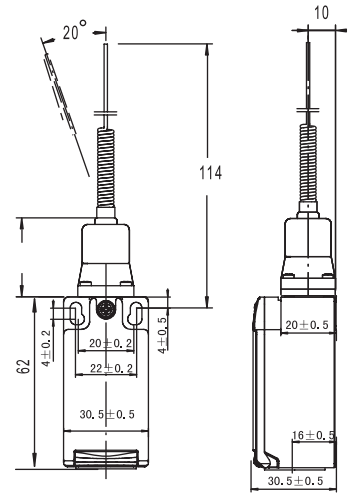
Order Code			
SND4100-SP-_	SP	snap action	1NO+1NC

SND4166



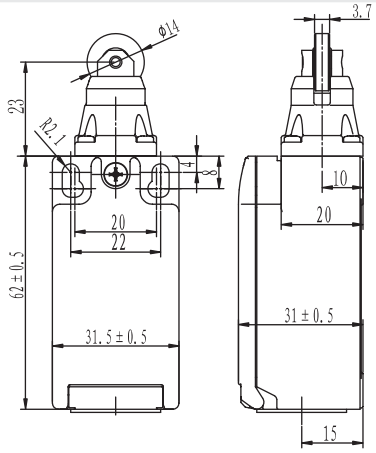
Order Code			
SND4166-SP-_	SP	snap action	1NO+1NC

SND4169



Order Code			
SND4169-SP-_	SP	snap action	1NO+1NC

SND4112-L



Order Code	Contact block			
SND4112-SP-_L	SP	snap action	1NO+1NC	
SND4112-SL-_L	SL	slow action	1NO+1NC	BBM
SND4112-SL1-_L	SL1	slow action	1NO+1NC	MBB
SND4112-SL2-_L	SL2	slow action	2NC	

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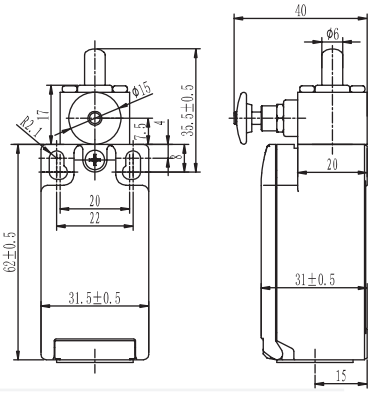
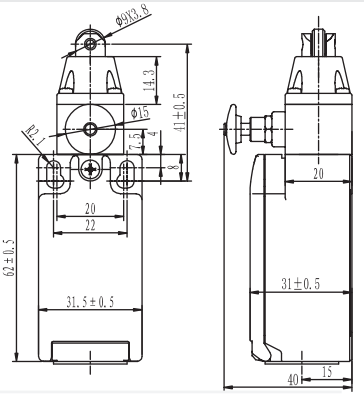
GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)
SND4 SERIES (SINGLE CONDUIT ENTRY WITH RESET)

SND4111-R



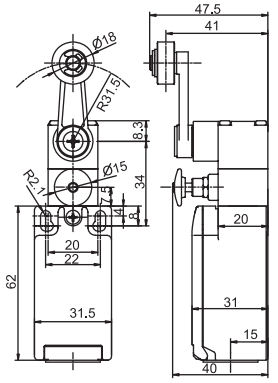
Order Code	Contact block			
SND4111-SP- _R	SP	→	snap action	1NO+1NC
SND4111-SL- _R	SL	→	slow action	1NO+1NC BBM
SND4111-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SND4111-SL2- _R	SL2	→	slow action	2NC

SND4112-R



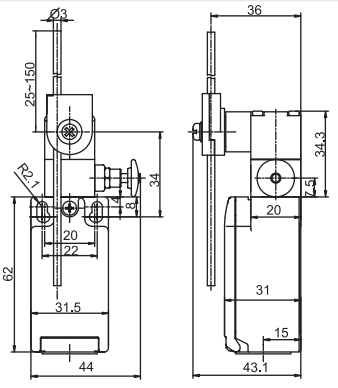
Order Code	Contact block			
SND4112-SP- _R	SP	→	snap action	1NO+1NC
SND4112-SL- _R	SL	→	slow action	1NO+1NC BBM
SND4112-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SND4112-SL2- _R	SL2	→	slow action	2NC

SND4104-R



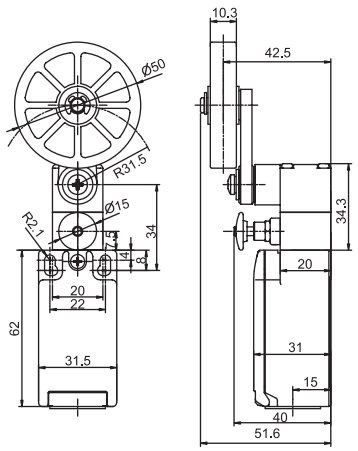
Order Code	Contact block			
SND4104-SP- _R	SP	→	snap action	1NO+1NC
SND4104-SL- _R	SL	→	slow action	1NO+1NC BBM
SND4104-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SND4104-SL2- _R	SL2	→	slow action	2NC

SND4107-R



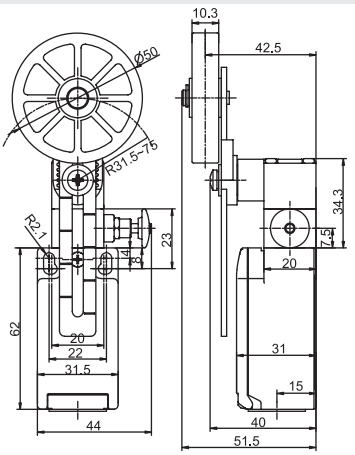
Order Code	Contact block			
SND4107-SP- _R	SP	→	snap action	1NO+1NC
SND4107-SL- _R	SL	→	slow action	1NO+1NC BBM
SND4107-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SND4107-SL2- _R	SL2	→	slow action	2NC

SND4114-R



Order Code	Contact block			
SND4114-SP- _R	SP	→	snap action	1NO+1NC
SND4114-SL- _R	SL	→	slow action	1NO+1NC BBM
SND4114-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SND4114-SL2- _R	SL2	→	slow action	2NC

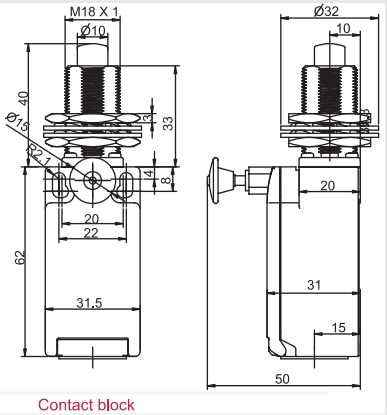
SND4118-R



Order Code	Contact block			
SND4118-SP- _R	SP	→	snap action	1NO+1NC
SND4118-SL- _R	SL	→	slow action	1NO+1NC BBM
SND4118-SL1- _R	SL1	→	slow action	1NO+1NC MBB
SND4118-SL2- _R	SL2	→	slow action	2NC

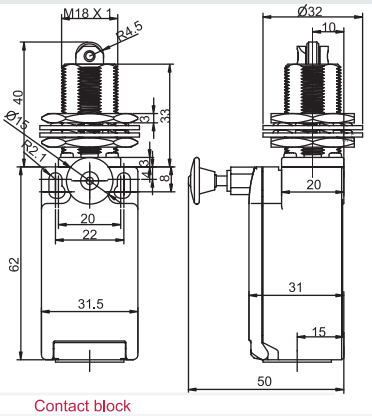
GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)
SND4 SERIES (SINGLE CONDUIT ENTRY WITH RESET)

SND4131-R



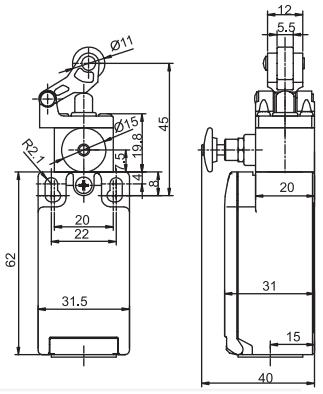
Order Code	Contact block			
SND4131-SP- _R	SP	snap action	1NO+1NC	
SND4131-SL- _R	SL	slow action	1NO+1NC	BBM
SND4131-SL1- _R	SL1	slow action	1NO+1NC	MBB
SND4131-SL2- _R	SL2	slow action	2NC	

SND4132-R



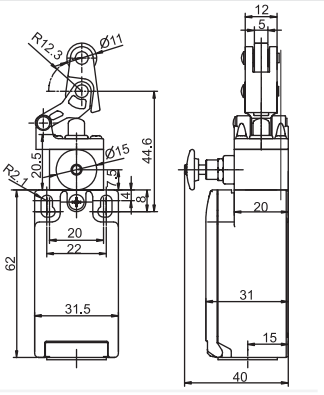
Order Code	Contact block			
SND4132-SP- _R	SP	snap action	1NO+1NC	
SND4132-SL- _R	SL	slow action	1NO+1NC	BBM
SND4132-SL1- _R	SL1	slow action	1NO+1NC	MBB
SND4132-SL2- _R	SL2	slow action	2NC	

SND4162-R



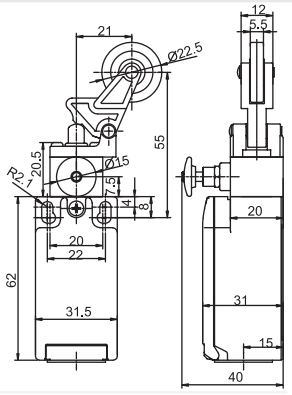
Order Code	Contact block			
SND4162-SP- _R	SP	snap action	1NO+1NC	
SND4162-SL- _R	SL	slow action	1NO+1NC	BBM
SND4162-SL1- _R	SL1	slow action	1NO+1NC	MBB
SND4162-SL2- _R	SL2	slow action	2NC	

SND4163-R



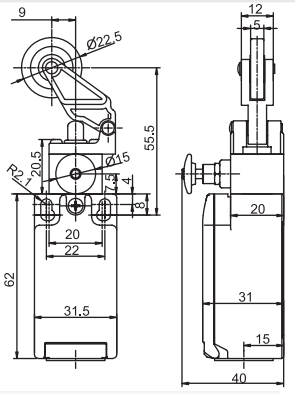
Order Code	Contact block			
SND4163-SP- _R	SP	snap action	1NO+1NC	
SND4163-SL- _R	SL	slow action	1NO+1NC	BBM
SND4163-SL1- _R	SL1	slow action	1NO+1NC	MBB
SND4163-SL2- _R	SL2	slow action	2NC	

SND4172-R



Order Code	Contact block			
SND4172-SP- _R	SP	snap action	1NO+1NC	
SND4172-SL- _R	SL	slow action	1NO+1NC	BBM
SND4172-SL1- _R	SL1	slow action	1NO+1NC	MBB
SND4172-SL2- _R	SL2	slow action	2NC	

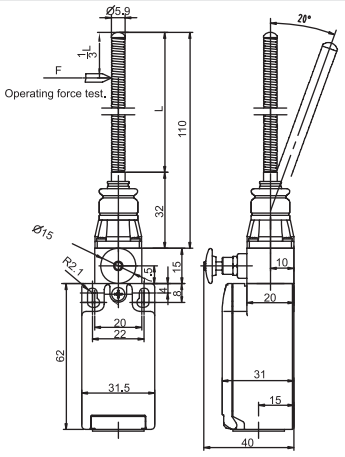
SND4173-R



Order Code	Contact block			
SND4173-SP- _R	SP	snap action	1NO+1NC	
SND4173-SL- _R	SL	slow action	1NO+1NC	BBM
SND4173-SL1- _R	SL1	slow action	1NO+1NC	MBB
SND4173-SL2- _R	SL2	slow action	2NC	

GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)
SND4 SERIES (SINGLE CONDUIT ENTRY WITH RESET)

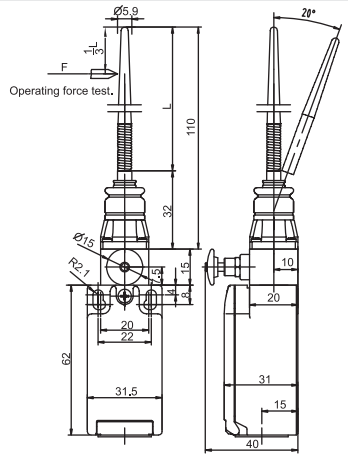
SND4100-R



Order Code

SND4100-SP- _ -R	SP	snap action	1NO+1NC

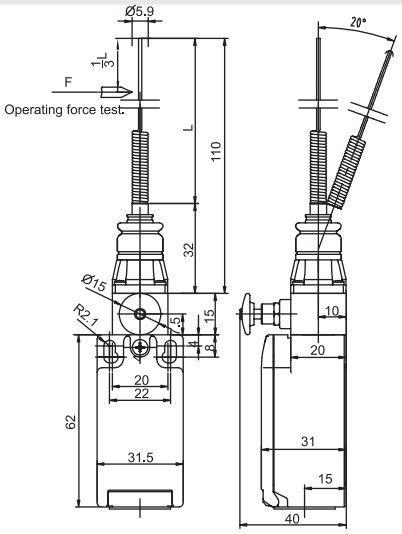
SND4166-R



Order Code

SND4166-SP- _ -R	SP	snap action	1NO+1NC

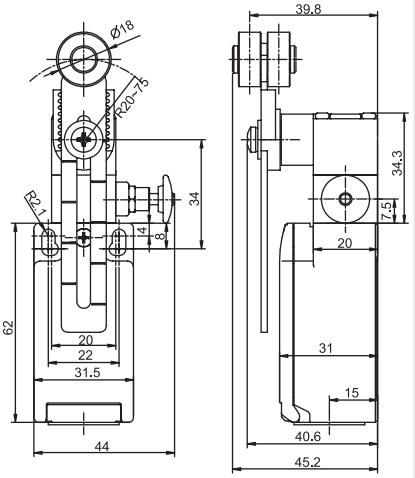
SND4169-R



Order Code

SND4169-SP- _-R	SP	snap action	1NO+1NC

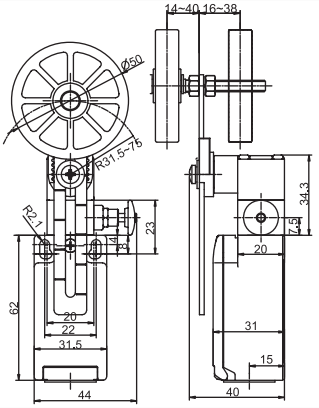
SND4108-R



Order Code — Contact block

SND4108-SP- _R	SP	snap action	1NO+1NC	
SND4108-SL- _R	SL	slow action	1NO+1NC	BBM
SND4108-SL1- _R	SL1	slow action	1NO+1NC	MBB
SND4108-SL2- _R	SL2	slow action	2NC	

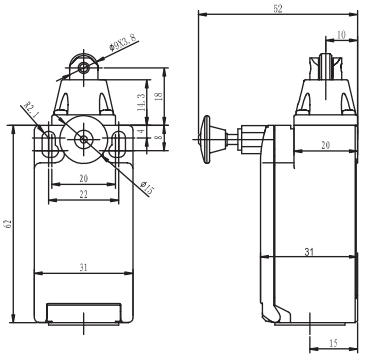
SND4118-R-ADJ



Order Code — Contact block

SND4118-SP- R-ADJ	SP	snap action	1NO+1NC	
SND4118-SL-R-ADJ	SL	slow action	1NO+1NC	BBM
SND4118-SL1-R-ADJ	SL1	slow action	1NO+1NC	MBB
SND4118-SL2-R-ADJ	SL2	slow action	2NC	

SND4112-SR



Order Code — Contact block

SND4112-SP-SR	SP	snap action	1NO+1NC	
SND4112-SL-SR	SL	slow action	1NO+1NC	BBM
SND4112-SL1-SR	SL1	slow action	1NO+1NC	MBB
SND4112-SL2-SR	SL2	slow action	2NC	

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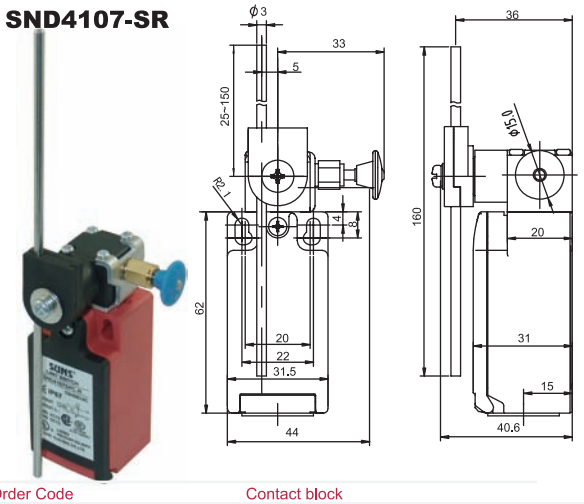
GLOBAL STYLE SAFETY LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)

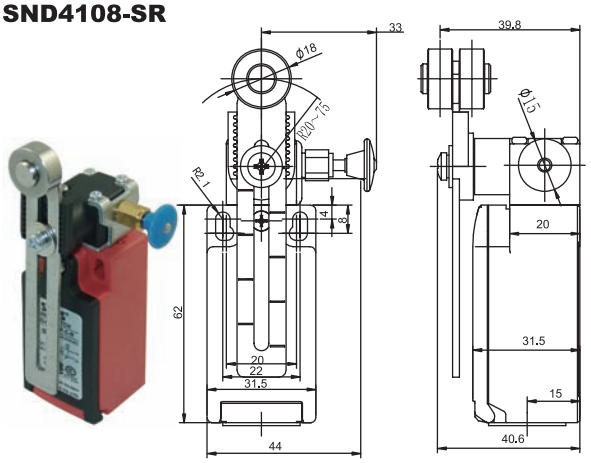
SND4 SERIES (SINGLE CONDUIT ENTRY WITH RESET)

SND4107-SR



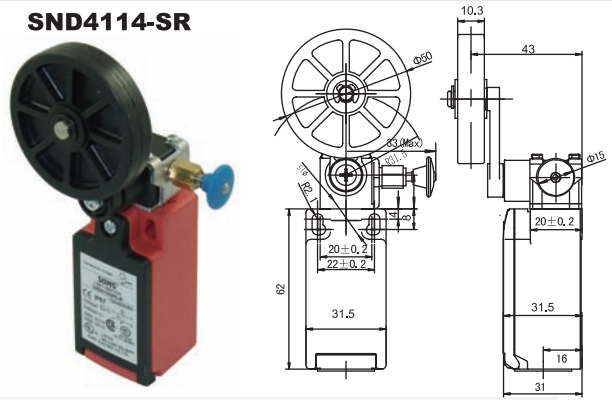
Order Code	Contact block			
SND4107-SP- _SR	SP	→	snap action	1NO+1NC
SND4107-SL- _SR	SL	→	slow action	1NO+1NC BBM
SND4107-SL1- _SR	SL1	→	slow action	1NO+1NC MBB
SND4107-SL2- _SR	SL2	→	slow action	2NC

SND4108-SR



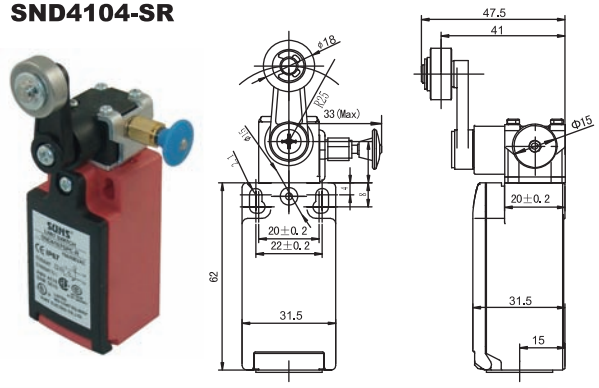
Order Code	Contact block			
SND4108-SP- _SR	SP	→	snap action	1NO+1NC
SND4108-SL- _SR	SL	→	slow action	1NO+1NC BBM
SND4108-SL1- _SR	SL1	→	slow action	1NO+1NC MBB
SND4108-SL2- _SR	SL2	→	slow action	2NC

SND4114-SR



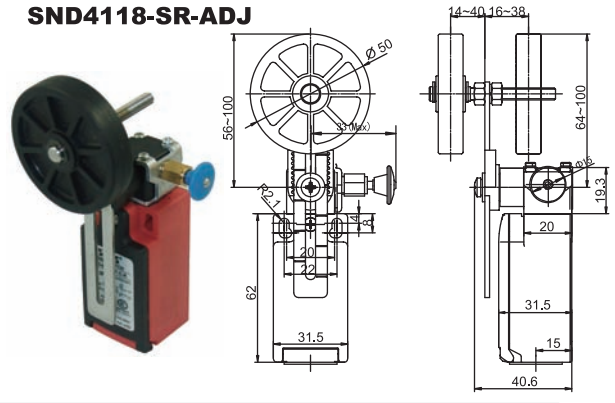
Order Code	Contact block			
SND4114-SP- _SR	SP	→	snap action	1NO+1NC
SND4114-SL- _SR	SL	→	slow action	1NO+1NC BBM
SND4114-SL1- _SR	SL1	→	slow action	1NO+1NC MBB
SND4114-SL2- _SR	SL2	→	slow action	2NC

SND4104-SR



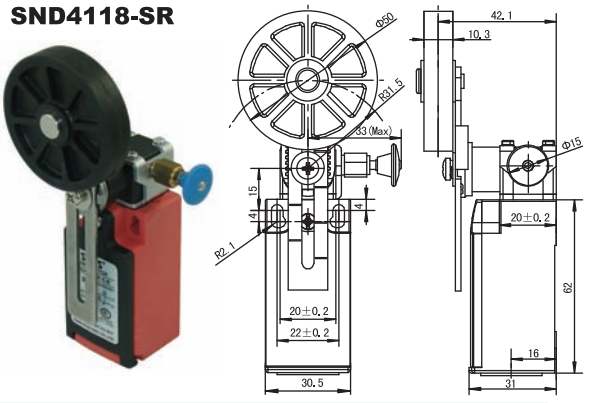
Order Code	Contact block			
SND4104-SP- _SR	SP	→	snap action	1NO+1NC
SND4104-SL- _SR	SL	→	slow action	1NO+1NC BBM
SND4104-SL1- _SR	SL1	→	slow action	1NO+1NC MBB
SND4104-SL2- _SR	SL2	→	slow action	2NC

SND4118-SR-ADJ



Order Code	Contact block			
SND4118-SP- SR-ADJ	SP	→	snap action	1NO+1NC
SND4118-SL-SR-ADJ	SL	→	slow action	1NO+1NC BBM
SND4118-SL1-SR-ADJ	SL1	→	slow action	1NO+1NC MBB
SND4118-SL2-SR-ADJ	SL2	→	slow action	2NC

SND4118-SR



Order Code	Contact block			
SND4118-SP- _SR	SP	→	snap action	1NO+1NC
SND4118-SL- _SR	SL	→	slow action	1NO+1NC BBM
SND4118-SL1- _SR	SL1	→	slow action	1NO+1NC MBB
SND4118-SL2- _SR	SL2	→	slow action	2NC