GLOBAL STYLE SAFETY LIMIT SWITCHES (MINI PLASTIC BODIED EN50047 TYPE)

SMN4 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	40-90g
Degree of Protection	IP66

Selection Guide:

SMN41 (Body Styles) 04 (Head Styles) SP - D (Conduits) - R

- SP: 1NO/1NC Snap action
- SL: BBM 1NO/1NC Slow Action changeover
- SL2: 2NC Slow Action
- SL3: 2NO Slow Action

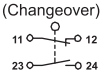
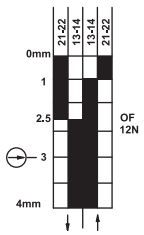
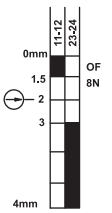
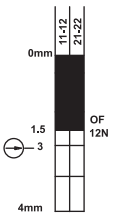
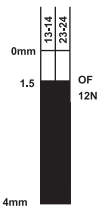
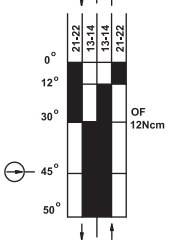
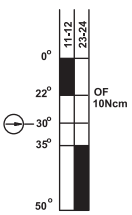
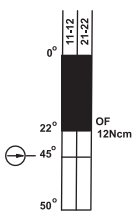
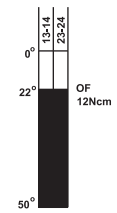
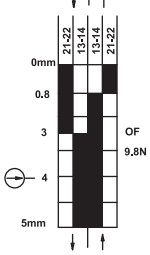
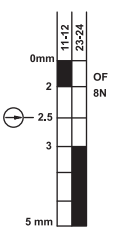
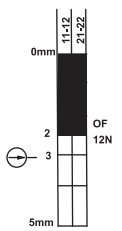
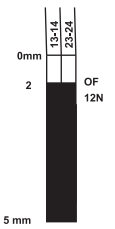
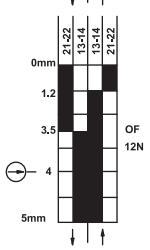
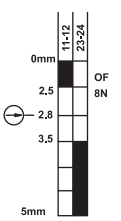
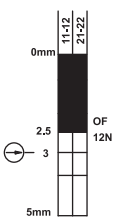
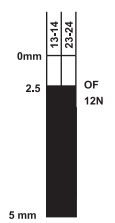
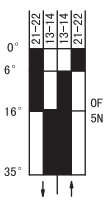
- D: M16
- B1: PG11

- Blank
- R: with Reset

GLOBAL STYLE SAFETY LIMIT SWITCHES (MINI PLASTIC BODIED EN50047 TYPE)

SMN4 SERIES (SINGLE CONDUIT ENTRY)

Available contact blocks and travel diagrams

	SP 1NO/1NC Snap Action	SL 1NO/1NC Slow Action (Changeover)	SL2 2NC Slow Action (Overlapping)	SL3 2NO Slow Action
				
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				

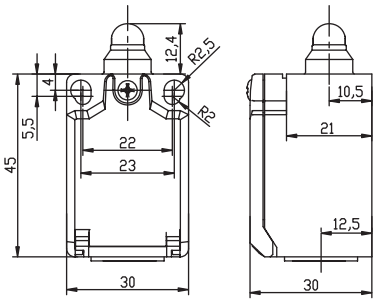
http://www.suns-usa.com

GLOBAL STYLE SAFETY LIMIT SWITCHES (MINI PLASTIC BODIED EN50047 TYPE)

SMN4 SERIES (SINGLE CONDUIT ENTRY)

SMN4111

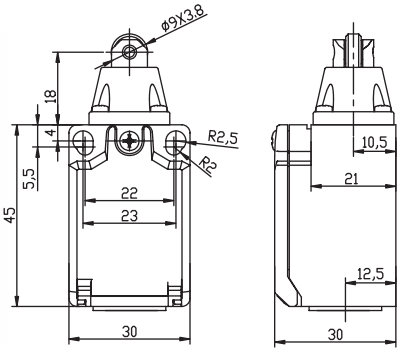




Order Code	Contact block			
SMN4111-SP- _	SP	→	snap action	1NO+1NC
SMN4111-SL- _	SL	→	slow action	1NO+1NC BBM
SMN4111-SL2- _	SL2	→	slow action	2NC
SMN4111-SL3- _	SL3	→	slow action	2NO

SMN4112

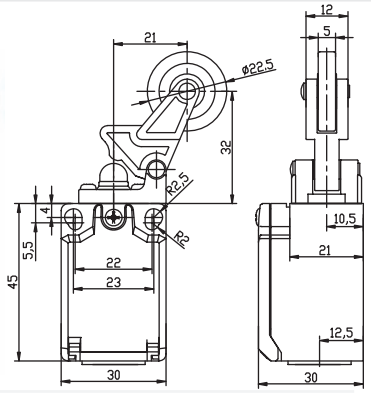




Order Code	Contact block			
SMN4112-SP- _	SP	→	snap action	1NO+1NC
SMN4112-SL- _	SL	→	slow action	1NO+1NC BBM
SMN4112-SL2- _	SL2	→	slow action	2NC
SMN4112-SL3- _	SL3	→	slow action	2NO

SMN4172

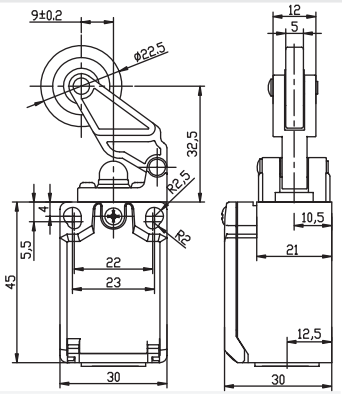




Order Code	Contact block			
SMN4172-SP- _	SP	→	snap action	1NO+1NC
SMN4172-SL- _	SL	→	slow action	1NO+1NC BBM
SMN4172-SL2- _	SL2	→	slow action	2NC
SMN4172-SL3- _	SL3	→	slow action	2NO

SMN4173

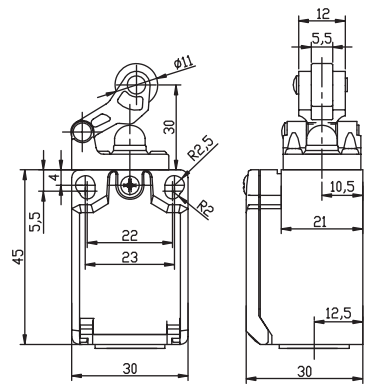




Order Code	Contact block			
SMN4173-SP- _	SP	→	snap action	1NO+1NC
SMN4173-SL- _	SL	→	slow action	1NO+1NC BBM
SMN4173-SL2- _	SL2	→	slow action	2NC
SMN4173-SL3- _	SL3	→	slow action	2NO

SMN4162

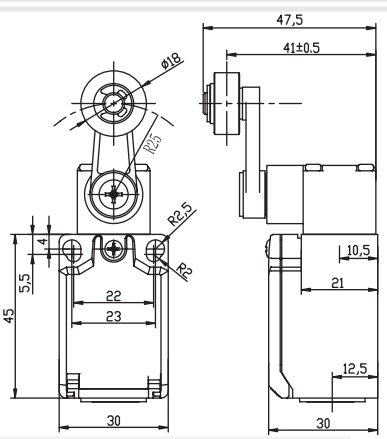




Order Code	Contact block			
SMN4162-SP- _	SP	→	snap action	1NO+1NC
SMN4162-SL- _	SL	→	slow action	1NO+1NC BBM
SMN4162-SL2- _	SL2	→	slow action	2NC
SMN4162-SL3- _	SL3	→	slow action	2NO

SMN4104





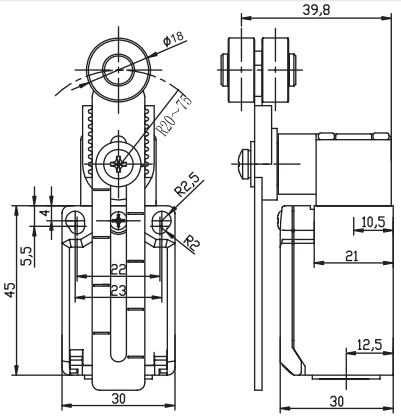
Order Code	Contact block			
SMN4104-SP- _	SP	→	snap action	1NO+1NC
SMN4104-SL- _	SL	→	slow action	1NO+1NC BBM
SMN4104-SL2- _	SL2	→	slow action	2NC
SMN4104-SL3- _	SL3	→	slow action	2NO

GLOBAL STYLE SAFETY LIMIT SWITCHES (MINI PLASTIC BODIED EN50047 TYPE)

SMN4 SERIES (SINGLE CONDUIT ENTRY)

SMN4108

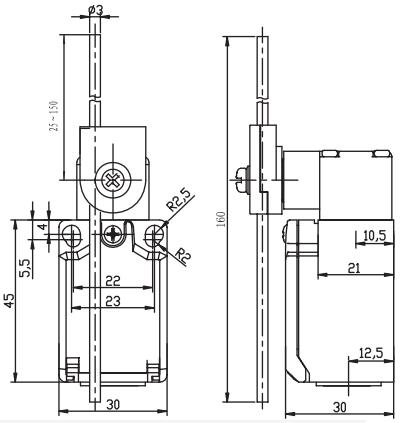




Order Code		Contact block		
SMN4108-SP- _	SP	snap action	1NO+1NC	
SMN4108-SL- _	SL	slow action	1NO+1NC	BBM
SMN4108-SL2- _	SL2	slow action	2NC	
SMN4108-SL3- _	SL3	slow action	2NO	

SMN4107

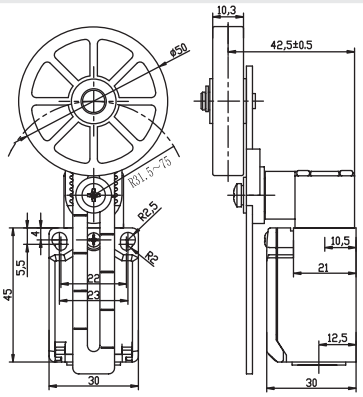




Order Code		Contact block		
SMN4107-SP- _	SP	snap action	1NO+1NC	
SMN4107-SL- _	SL	slow action	1NO+1NC	BBM
SMN4107-SL2- _	SL2	slow action	2NC	
SMN4107-SL3- _	SL3	slow action	2NO	

SMN4118

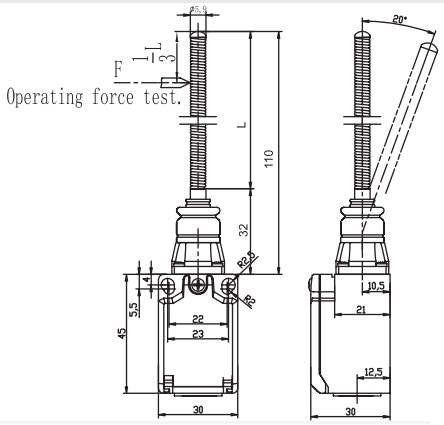




Order Code		Contact block		
SMN4118-SP- _	SP	snap action	1NO+1NC	
SMN4118-SL- _	SL	slow action	1NO+1NC	BBM
SMN4118-SL2- _	SL2	slow action	2NC	
SMN4118-SL3- _	SL3	slow action	2NO	

SMN4100

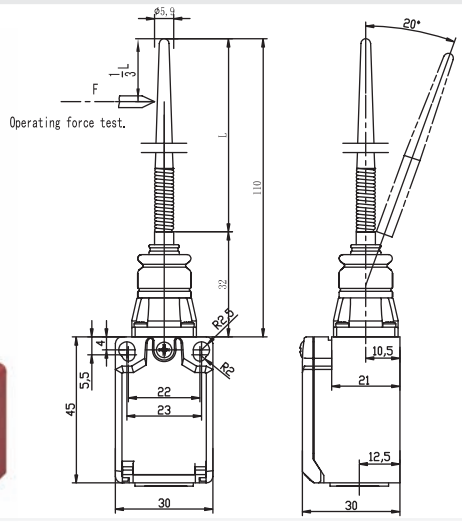




Order Code			
SMN4100-SP- _	SP	snap action	1NO+1NC

SMN4166

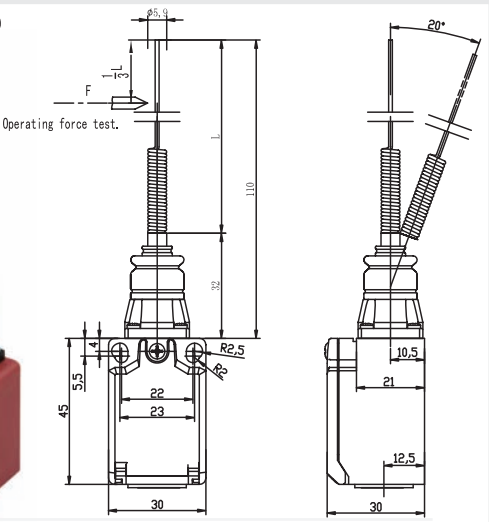




Order Code			
SMN4166-SP- _	SP	snap action	1NO+1NC

SMN4169





Order Code			
SMN4169-SP- _	SP	snap action	1NO+1NC

http://www.suns-usa.com