

GLOBAL STYLE SAFETY LIMIT SWITCHES (Plastic Bodied EN50041 TYPE) SND6 SERIES (SINGLE CONDUIT ENTRY)



Long standing relationships with the biggest names in Industrial Automation enable our team to deliver competitive products that are innovative and designed for years of reliable performance.

Features

- Glass fiber reinforced plastic body
- Increased wiring space
- 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 50041 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 x 10 ⁷ (operations) Electrically 5 x 10 ⁵ (operations)
Operating Temperature	-25~+80°C (-13~176°F) with no icing
Humidity	< 95%RH
Weight	150-230g for plastic body
Degree of Protection	IP67

Selection Guide:

SND6
Body Styles

04
Head Styles

SP
Contact Block

- 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

R

- Blank
- R: with Reset

GLOBAL STYLE SAFETY LIMIT SWITCHES (Plastic Bodied EN50041 TYPE)

SND6 SERIES (SINGLE CONDUIT ENTRY)

Available contact blocks and travel diagrams



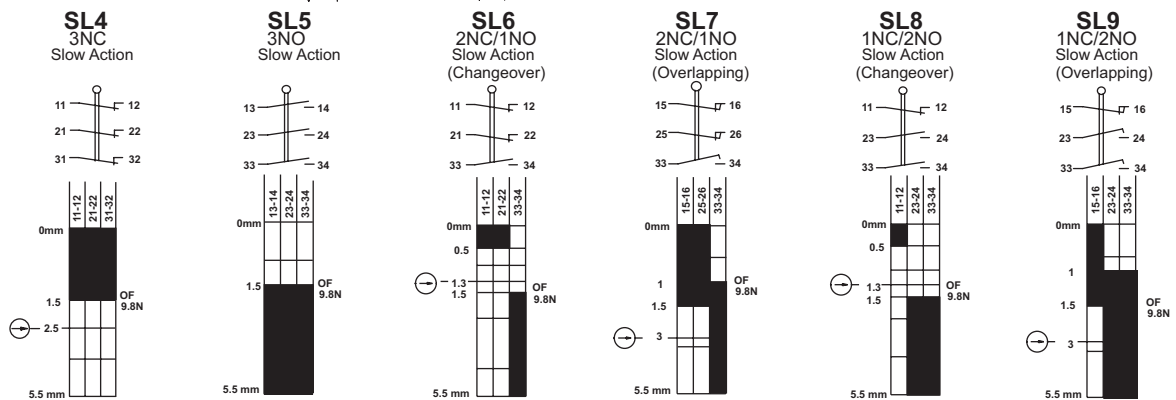
Plunger type
11,12 styles

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

72, 73 styles

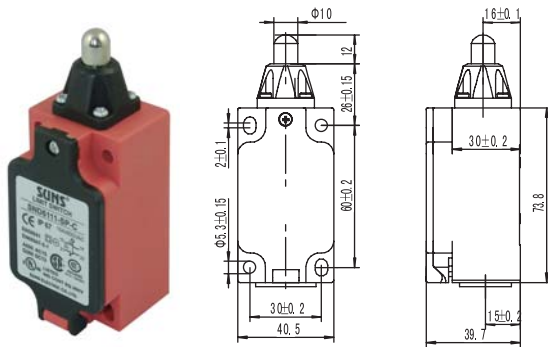
05 styles

00, 66, 69 styles



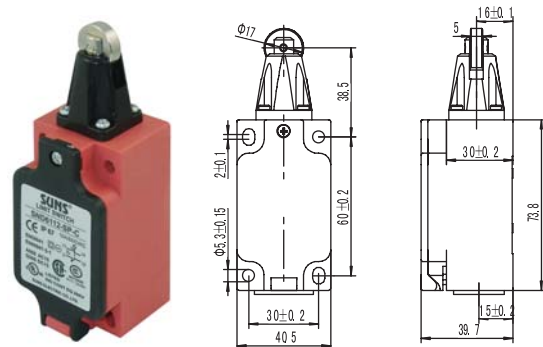
GLOBAL STYLE SAFETY LIMIT SWITCHES (Plastic Bodied EN50041 TYPE) SND6 SERIES (SINGLE CONDUIT ENTRY)

SND6111



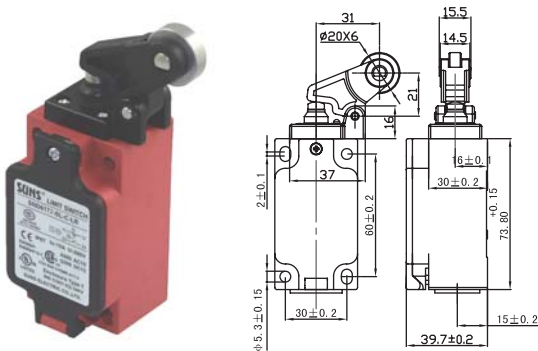
Order Code	Contact block			
SND6111-SP- _	SP	↻	snap action	1NO+1NC
SND6111-SL- _	SL	↻	slow action	1NO+1NC BBM
SND6111-SL1- _	SL1	↻	slow action	1NO+1NC MBB
SND6111-SL2- _	SL2	↻	slow action	2NC

SND6112



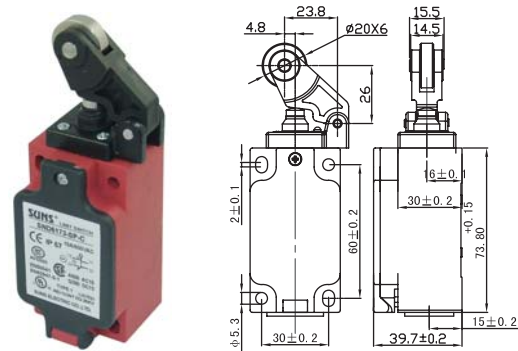
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SND6112-SP- _	SP	↻	snap action	1NO+1NC
SND6112-SL- _	SL	↻	slow action	1NO+1NC BBM
SND6112-SL1- _	SL1	↻	slow action	1NO+1NC MBB
SND6112-SL2- _	SL2	↻	slow action	2NC

SND6172



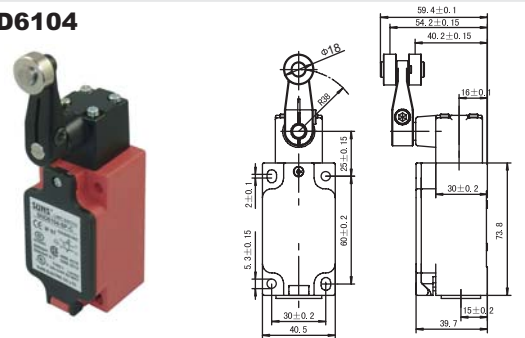
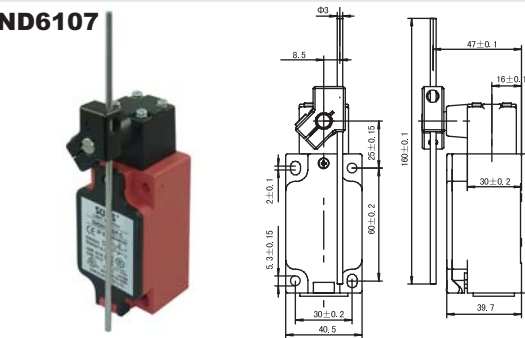
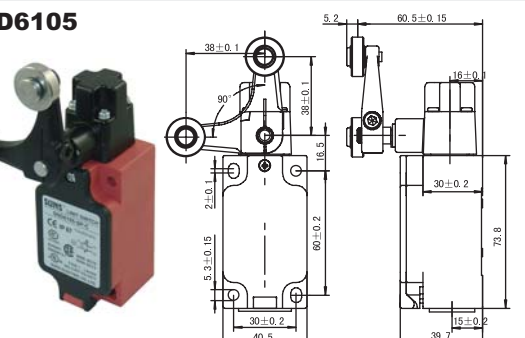
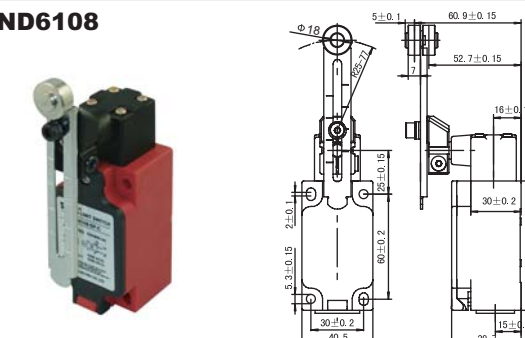
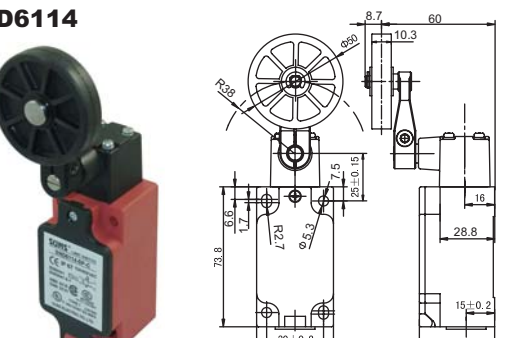
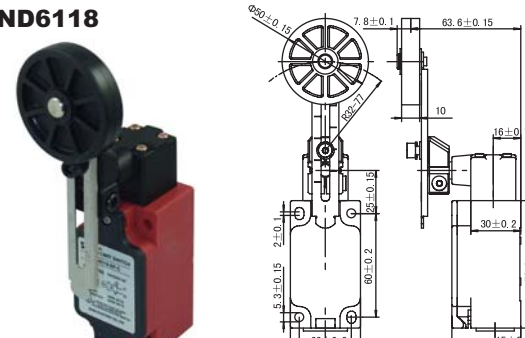
Order Code	Contact block			
SND6172-SP- _	SP	↻	snap action	1NO+1NC
SND6172-SL- _	SL	↻	slow action	1NO+1NC BBM
SND6172-SL1- _	SL1	↻	slow action	1NO+1NC MBB
SND6172-SL2- _	SL2	↻	slow action	2NC

SND6173



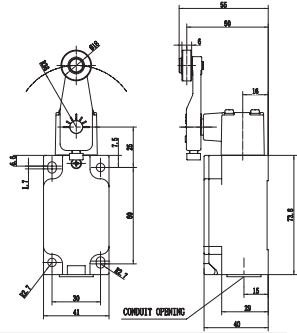
Order Code	Contact block			
SND6173-SP- _	SP	↻	snap action	1NO+1NC
SND6173-SL- _	SL	↻	slow action	1NO+1NC BBM
SND6173-SL1- _	SL1	↻	slow action	1NO+1NC MBB
SND6173-SL2- _	SL2	↻	slow action	2NC

GLOBAL STYLE SAFETY LIMIT SWITCHES (Plastic Bodied EN50041 TYPE) SND6 SERIES (SINGLE CONDUIT ENTRY)

SND6104 		SND6107 	
Order Code	Contact block	Order Code	Contact block
SND6104-SP- _	SP snap action 1NO+1NC	SND6107-SP- _	SP snap action 1NO+1NC
SND6104-SL- _	SL slow action 1NO+1NC BBM	SND6107-SL- _	SL slow action 1NO+1NC BBM
SND6104-SL1- _	SL1 slow action 1NO+1NC MBB	SND6107-SL1- _	SL1 slow action 1NO+1NC MBB
SND6104-SL2- _	SL2 slow action 2NC	SND6107-SL2- _	SL2 slow action 2NC
SND6105 		SND6108 	
Order Code	Contact block	Order Code	Contact block
SND6105-SP- _	SP snap action 1NO+1NC	SND6108-SP- _	SP snap action 1NO+1NC
SND6105-SL- _	SL slow action 1NO+1NC BBM	SND6108-SL- _	SL slow action 1NO+1NC BBM
		SND6108-SL1- _	SL1 slow action 1NO+1NC MBB
		SND6108-SL2- _	SL2 slow action 2NC
SND6114 		SND6118 	
Order Code	Contact block	Order Code	Contact block
SND6114-SP- _	SP snap action 1NO+1NC	SND6118-SP- _	SP snap action 1NO+1NC
SND6114-SL- _	SL slow action 1NO+1NC BBM	SND6118-SL- _	SL slow action 1NO+1NC BBM
SND6114-SL1- _	SL1 slow action 1NO+1NC MBB	SND6118-SL1- _	SL1 slow action 1NO+1NC MBB
SND6114-SL2- _	SL2 slow action 2NC	SND6118-SL2- _	SL2 slow action 2NC

GLOBAL STYLE SAFETY LIMIT SWITCHES (Plastic Bodied EN50041 TYPE) SND6 SERIES (SINGLE CONDUIT ENTRY)

SND6104(AB)

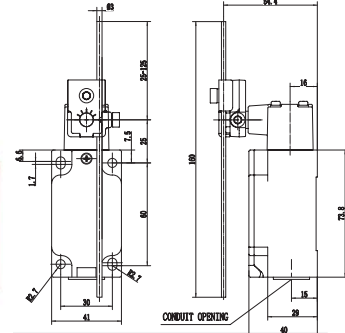


Order Code

Contact block

SND6104-SP-_(AB)	SP	⊕	snap action	1NO+1NC
SND6104-SL-_(AB)	SL	⊕	slow action	1NO+1NC BBM
SND6104-SL1-_(AB)	SL1	⊕	slow action	1NO+1NC MBB
SND6104-SL2-_(AB)	SL2	⊕	slow action	2NC

SND6107(AB)

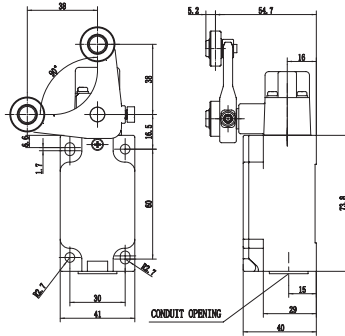


Order Code

Contact block

SND6107-SP-_(AB)	SP	⊕	snap action	1NO+1NC
SND6107-SL-_(AB)	SL	⊕	slow action	1NO+1NC BBM
SND6107-SL1-_(AB)	SL1	⊕	slow action	1NO+1NC MBB
SND6107-SL2-_(AB)	SL2	⊕	slow action	2NC

SND6105(AB)

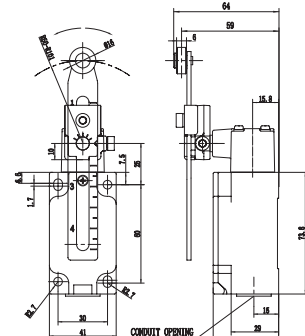


Order Code

Contact block

SND6105-SP-_(AB)	SP	⊕	snap action	1NO+1NC
SND6105-SL-_(AB)	SL	⊕	slow action	1NO+1NC BBM

SND6108(AB)

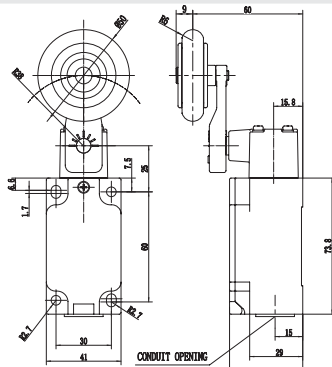


Order Code

Contact block

SND6108-SP-_(AB)	SP	⊕	snap action	1NO+1NC
SND6108-SL-_(AB)	SL	⊕	slow action	1NO+1NC BBM
SND6108-SL1-_(AB)	SL1	⊕	slow action	1NO+1NC MBB
SND6108-SL2-_(AB)	SL2	⊕	slow action	2NC

SND6114(AB)

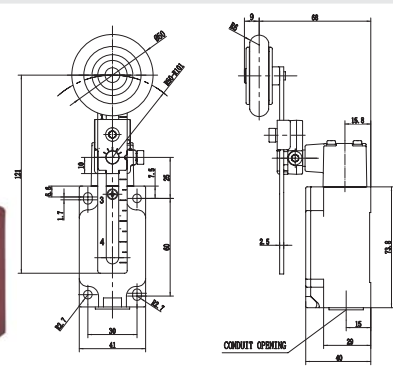


Order Code

Contact block

SND6114-SP-_(AB)	SP	⊕	snap action	1NO+1NC
SND6114-SL-_(AB)	SL	⊕	slow action	1NO+1NC BBM
SND6114-SL1-_(AB)	SL1	⊕	slow action	1NO+1NC MBB
SND6114-SL2-_(AB)	SL2	⊕	slow action	2NC

SND6118(AB)



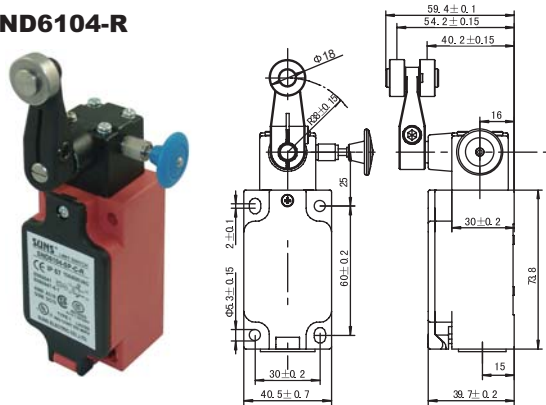
Order Code

Contact block

SND6118-SP-_(AB)	SP	⊕	snap action	1NO+1NC
SND6118-SL-_(AB)	SL	⊕	slow action	1NO+1NC BBM
SND6118-SL1-_(AB)	SL1	⊕	slow action	1NO+1NC MBB
SND6118-SL2-_(AB)	SL2	⊕	slow action	2NC

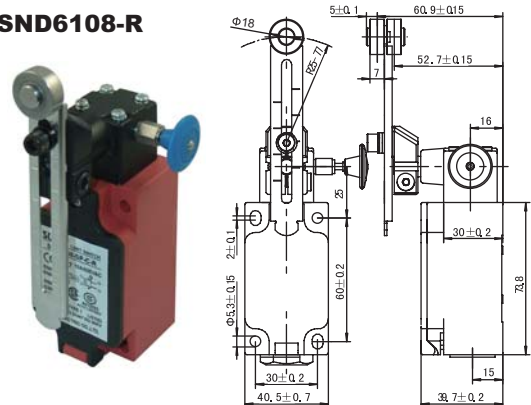
GLOBAL STYLE SAFETY LIMIT SWITCHES (Plastic Bodied EN50041 TYPE) SND6 SERIES (SINGLE CONDUIT ENTRY WITH RESET)

SND6104-R



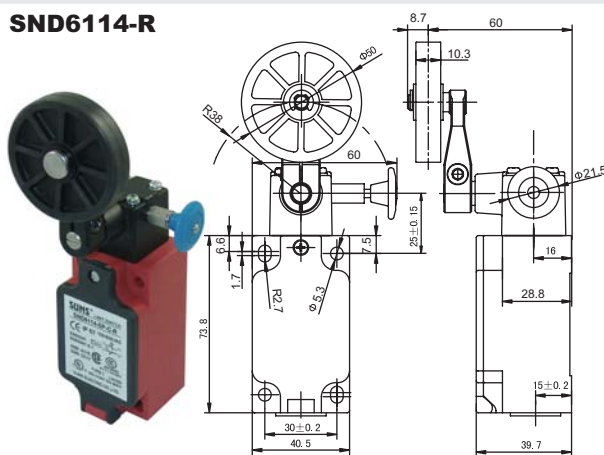
Order Code	Contact block
SND6104-SP-_R	SP snap action 1NO+1NC
SND6104-SL-_R	SL slow action 1NO+1NC BBM
SND6104-SL1-_R	SL1 slow action 1NO+1NC MBB
SND6104-SL2-_R	SL2 slow action 2NC

SND6108-R



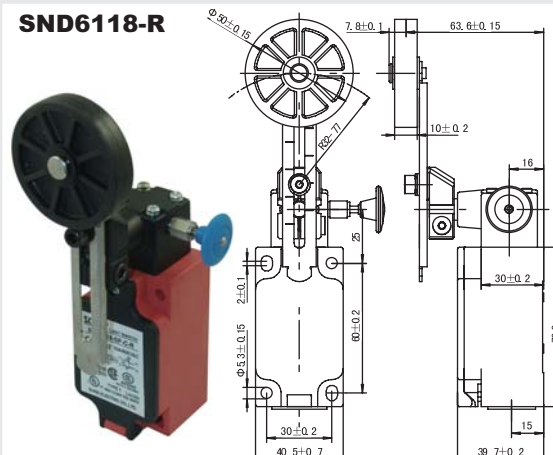
Order Code	Contact block
SND6107-SP-_R	SP snap action 1NO+1NC
SND6107-SL-_R	SL slow action 1NO+1NC BBM
SND6107-SL1-_R	SL1 slow action 1NO+1NC MBB
SND6107-SL2-_R	SL2 slow action 2NC

SND6114-R



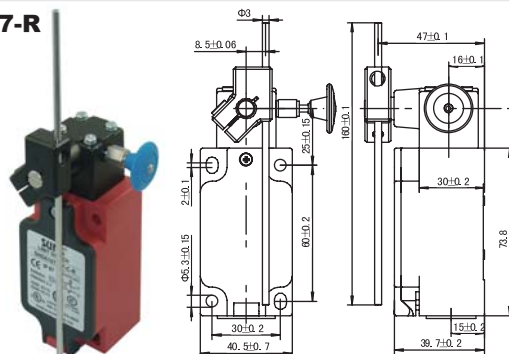
Order Code	Contact block
SND6114-SP-_R	SP snap action 1NO+1NC
SND6114-SL-_R	SL slow action 1NO+1NC BBM
SND6114-SL1-_R	SL1 slow action 1NO+1NC MBB
SND6114-SL2-_R	SL2 slow action 2NC

SND6118-R



Order Code	Contact block
SND6118-SP-_R	SP snap action 1NO+1NC
SND6118-SL-_R	SL slow action 1NO+1NC BBM
SND6118-SL1-_R	SL1 slow action 1NO+1NC MBB
SND6118-SL2-_R	SL2 slow action 2NC

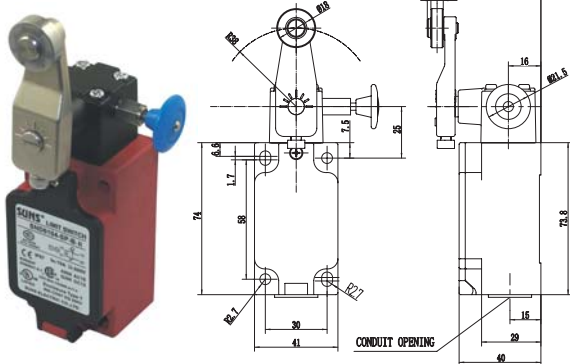
SND6107-R



Order Code	Contact block
SND6107-SP-_	SP snap action 1NO+1NC
SND6107-SL-_	SL slow action 1NO+1NC BBM
SND6107-SL1-_	SL1 slow action 1NO+1NC MBB
SND6107-SL2-_	SL2 slow action 2NC

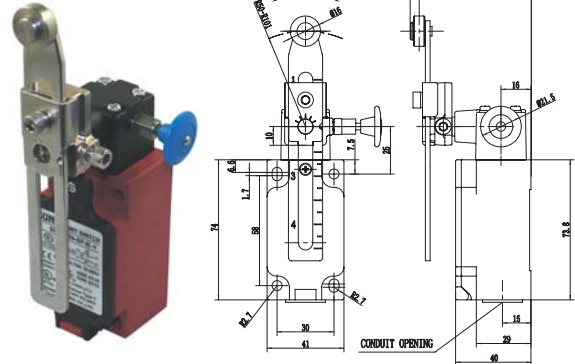
GLOBAL STYLE SAFETY LIMIT SWITCHES (Plastic Bodied EN50041 TYPE) SND6 SERIES (SINGLE CONDUIT ENTRY WITH RESET)

SND6104-R(AB)



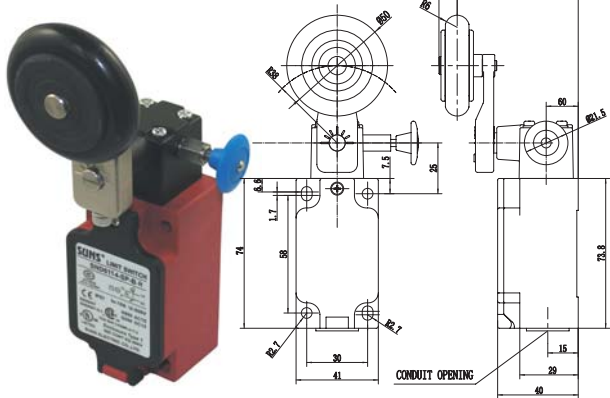
Order Code	Contact block
SND6104-SP-_R(AB)	SP snap action 1NO+1NC
SND6104-SL-_R(AB)	SL slow action 1NO+1NC BBM
SND6104-SL1-_R(AB)	SL1 slow action 1NO+1NC MBB
SND6104-SL2-_R(AB)	SL2 slow action 2NC

SND6108-R(AB)



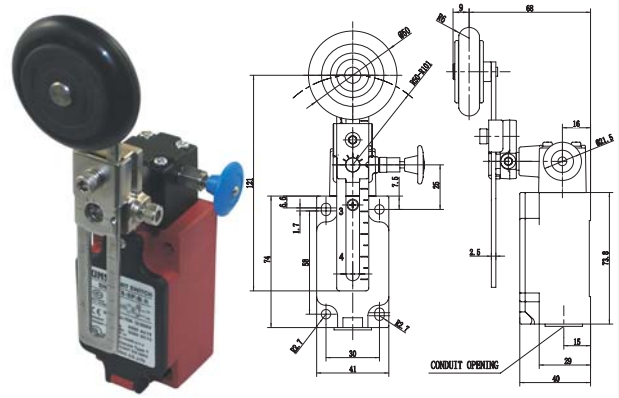
Order Code	Contact block
SND6107-SP-_R(AB)	SP snap action 1NO+1NC
SND6107-SL-_R(AB)	SL slow action 1NO+1NC BBM
SND6107-SL1-_R(AB)	SL1 slow action 1NO+1NC MBB
SND6107-SL2-_R(AB)	SL2 slow action 2NC

SND6114-R(AB)



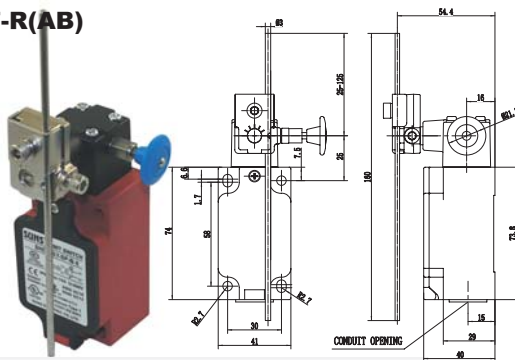
Order Code	Contact block
SND6114-SP-_R(AB)	SP snap action 1NO+1NC
SND6114-SL-_R(AB)	SL slow action 1NO+1NC BBM
SND6114-SL1-_R(AB)	SL1 slow action 1NO+1NC MBB
SND6114-SL2-_R(AB)	SL2 slow action 2NC

SND6118-R(AB)



Order Code	Contact block
SND6118-SP-_R(AB)	SP snap action 1NO+1NC
SND6118-SL-_R(AB)	SL slow action 1NO+1NC BBM
SND6118-SL1-_R(AB)	SL1 slow action 1NO+1NC MBB
SND6118-SL2-_R(AB)	SL2 slow action 2NC

SND6107-R(AB)



Order Code	Contact block
SND6107-SP-_R(AB)	SP snap action 1NO+1NC
SND6107-SL-_R(AB)	SL slow action 1NO+1NC BBM
SND6107-SL1-_R(AB)	SL1 slow action 1NO+1NC MBB
SND6107-SL2-_R(AB)	SL2 slow action 2NC

See page 9 and page 10 for additional heads

Additional Lever Heads for SN61,SN62,SND61,SN63



Cast Aluminum Lever Arms with Roller

Add '-P' suffix for nylon roller (following part numbers are with steel roller)

Arm Length in. (mm)	Roller Diameter in. (mm)	Roller Width in. (mm)	Part Number
1.38 (35)	0.75 (19)	0.25 (6.3)	H-04B1(AB)
		0.63 (16)	H-04B2(AB)
	0.63 (16)	0.25 (6.3)	H-04B3(AB)
		0.63 (16)	H-04B4(AB)
		1 (25.4)	H-04B5(AB)
1.5 (38)	0.75 (19)	0.25 (6.3)	H-04C1(AB)
		0.63 (16)	H-04C2(AB)
	0.63 (16)	0.25 (6.3)	H-04C3(AB)
		0.63 (16)	H-04C4(AB)
		1(25.4)	H-04C5(AB)
		1.97(50)	H-4C5(AB)
2 (51)	0.75 (19)	0.25 (6.3)	H-04D1(AB)
		0.63 (16)	H-04D2(AB)
	0.63 (16)	0.25 (6.3)	H-04D3(AB)
		0.63 (16)	H-04D4(AB)
2.5 (63.5)	0.75 (19)	0.25 (6.3)	H-04E1(AB)
		0.63 (16)	H-04E2(AB)
	0.63 (16)	0.25 (6.3)	H-04E3(AB)
		0.63 (16)	H-04E4(AB)
3 (76)	0.75 (19)	0.25 (6.3)	H-04F1(AB)
		0.63 (16)	H-04F2(AB)
	0.63 16	0.25 (6.3)	H-04F3(AB)
		0.63 16	H-04F4(AB)

* Mounting hole center to roller center distance

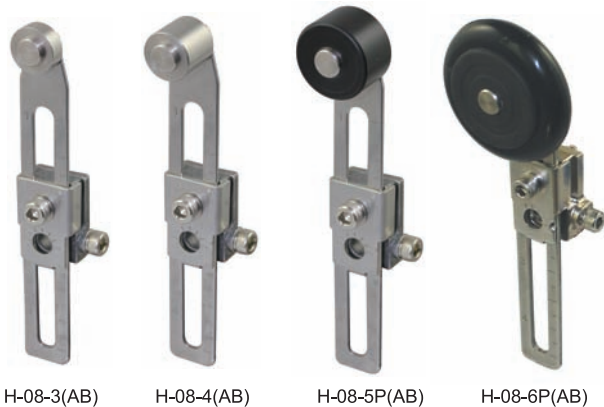


90° Forked Cast Aluminum Lever Arms with Roller

Add '-P' suffix for nylon roller (following part numbers are with steel roller)

Arm Length in. (mm)	Roller			Part Number
	Roller Position	Diameter in. (mm)	Width in. (mm)	
1.5 (38)	Rollers on same side	0.75 (19)	0.25 (6.3)	H-05-1(AB)
		0.63 (16)	0.25 (6.3)	H-05-3(AB)
	R.H. Rollers on opposite side	0.75 (19)	0.25 (6.3)	H-05-1RH(AB)
		0.63 (16)	0.25 (6.3)	H-05-3RH(AB)
	L.H. Rollers on opposite side	0.75 (19)	0.25 (6.3)	H-05-1LH(AB)
		0.63 (16)	0.25 (6.3)	H-05-3LH(AB)

* Mounting hole center to roller center distance



Adjustable Length Lever Arm with Steel Roller

Lever Length in. (mm)	Roller Dia. in. (mm)	Roller Width in. (mm)	Part Number
Non-bendable, adjustable from 22-101mm	0.63 (16)	0.25 (6.3)	H-08-3(AB)
	0.63 (16)	0.63 (16)	H-08-4(AB)
	0.75(19)	0.25(6.3)	H-08-5(AB)
	0.63 (16)	0.25 (6.3)	H-08B-3(AB)
Bendable, adjustable from 22-101mm	0.63 (16)	0.63 (16)	H-08B-4(AB)
	0.75(19)	0.25(6.3)	H-08B-5(AB)

Adjustable Length Lever Arm with Nylon Roller

Lever Length in. (mm)	Roller Dia. in. (mm)	Roller Width in. (mm)	Part Number
Non-bendable, adjustable from 22-101mm	0.63 (16)	0.25 (6.3)	H-08-3P(AB)
	1 (25.4)	0.63 (16)	H-08-5P(AB)
	0.63 (16)	0.25 (6.3)	H-08B-3P(AB)
Bendable, adjustable from 22-101mm	1.0 (25.4)	0.63 (16)	H-08B-5P(AB)
	2 (51)	0.25 (6.3)	H-08B-6P(AB)
	0.75(19)	0.25(6.3)	H-08-7P(AB)

* Mounting hole center to roller center distance

Additional Lever Heads for SN61,SN62,SND61,SN63



Rod Type Lever Arms

Description	Length in. (mm)	Part Number
Stainless Steel Rod	10 (254)	H-07-10(AB)
Spring Rod, Steel	12 (304)	H-07S-12(AB)
Spring Rod, Delrin	12 (304)	H-07P-12(AB)
Looped Delrin Rod Arm	160MM(6.3IN.)	H-06(AB)
Looped Delrin Rod Arm	228MM(9IN.)	H-09(AB)