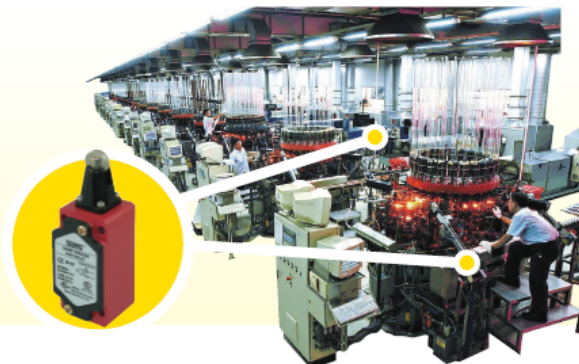


For almost two decades SUNS has been delivering stand-alone solutions that offer value and field tested reliability to customers.



Features

- Zinc die cast body
- Increased wiring space
- Earth grounding surface on same level as switching
- Easily interchangeable contact block
- Fine adjustment of switching point via adjusting screw
- 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 x 10 ⁷ (operations) Electrically 5 x 10 ⁵ (operations)
Operating Temperature	-25~+80°C (-13~176°F) with no icing
Humidity	< 95%
Weight	400-480g for metal body
Degree of Protection	IP67

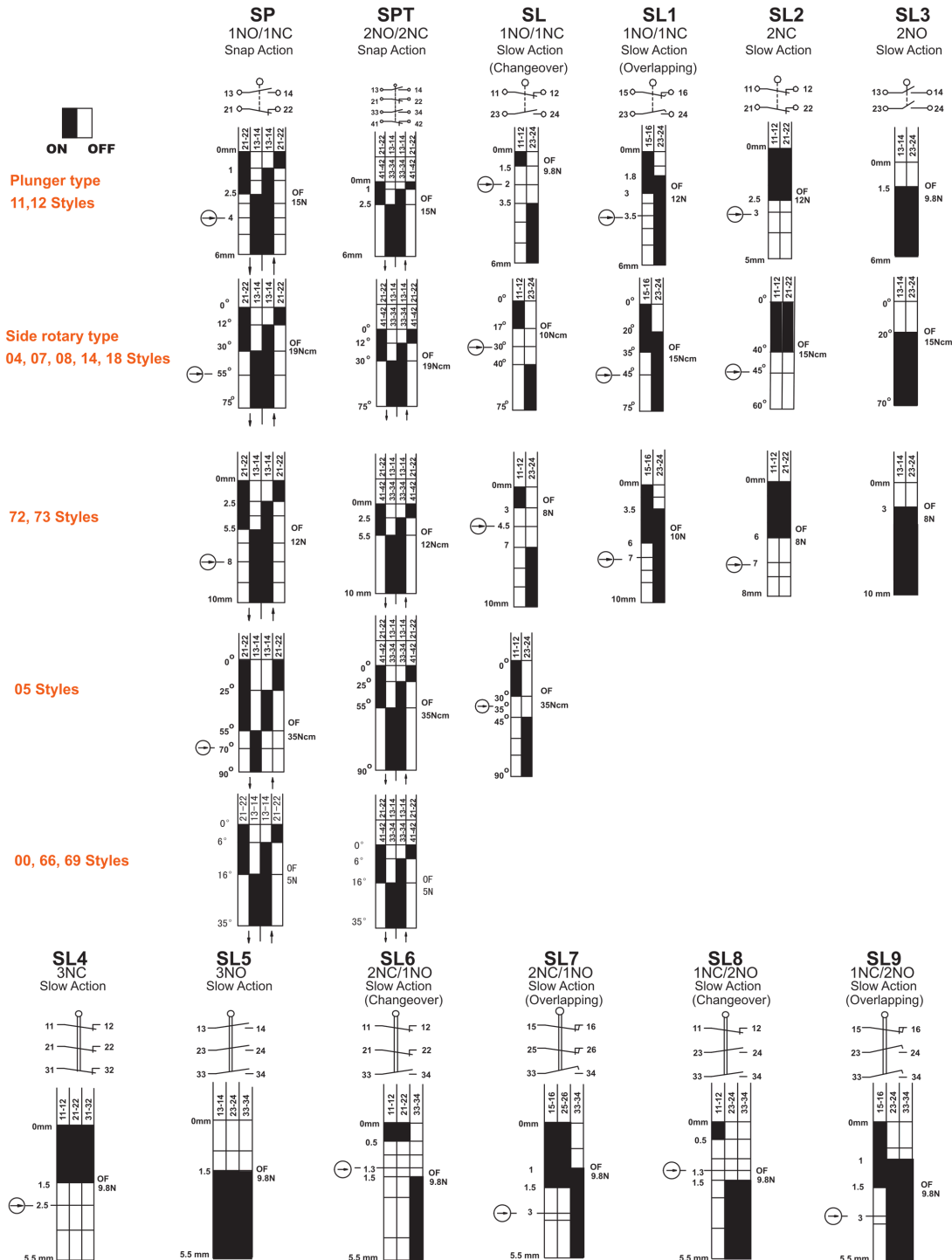
Selection Guide:

SN61	04	-	SP	-	A	-	R	-	K	(AB)	-	24R
Body Styles	Head Styles		Contact Block		Conduits				Gold Plated Contact (Optional)	HLS Style Lever (Optional)		LED Indicator Light (Optional)
			SP: 1NO/1NC Snap action									
			SPT: 2NO/2NC Snap action									
			SL: BBM 1NO/1NC Slow Action changeover		A: 1/2"NPT				Blank			
			SL1: MBB 1NO/1NC Slow Action Overlapping		B: PG13.5				R: with Reset			
			SL2: 2NC Slow Action		C: M20							
			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									



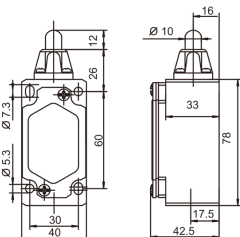
GLOBAL STYLE SAFETY LIMIT SWITCHES (Metal Bodied EN50041 TYPE) SN6 SERIES (SINGLE CONDUIT ENTRY)

Available contact blocks and travel diagrams



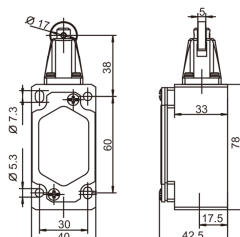
GLOBAL STYLE SAFETY LIMIT SWITCHES (Metal Bodied EN50041 TYPE) SN6 SERIES (SINGLE CONDUIT ENTRY)

SN6111



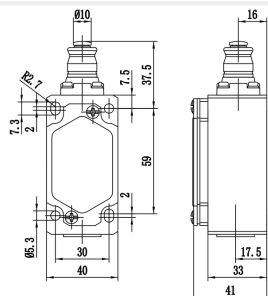
Order Code	Contact block		
SN6111-SP- _	SP 	snap action	1NO+1NC
SN6111-SL- _	SL 	slow action	1NO+1NC BBM
SN6111-SL1- _	SL1 	slow action	1NO+1NC MBB
SN6111-SL2- _	SL2 	slow action	2NC

SN6112



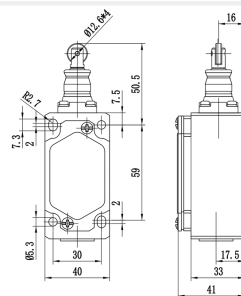
Order Code	Contact block		
SN6112-SP- _	SP 	snap action	1NO+1NC
SN6112-SL- _	SL 	slow action	1NO+1NC BMB
SN6112-SL1- _	SL1 	slow action	1NO+1NC MB
SN6112-SL2-	SL2 	slow action	2NC

SN6111-L1



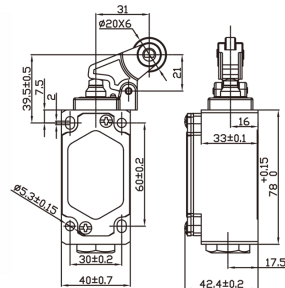
Order Code	Contact block			
SN6111-SP- _L1	SP		snap action	1NO+1NC
SN6111-SL- _L1	SL		slow action	1NO+1NC BBM
SN6111-SL1- _L1	SL1		slow action	1NO+1NC MBB
SN6111-SL2- _L1	SL2		slow action	2NC

SN6112-L



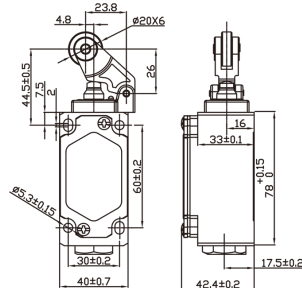
Order Code	Contact block		
SN6112-SP- _L1	SP 	snap action	1NO+1NC
SN6112-SL- _L1	SL 	slow action	1NO+1NC BBM
SN6112-SL1- _L1	SL1 	slow action	1NO+1NC MBB
SN6112-SL2- _L1	SL2 	slow action	2NC

SN6172



Order Code	Contact block		
SN6172-SP- _	SP 	snap action	1NO+1NC
SN6172-SL- _	SL 	slow action	1NO+1NC BBM
SN6172-SL1- _	SL1 	slow action	1NO+1NC MBB
SN6172-SL2-	SL2 	slow action	2NC

SN6173

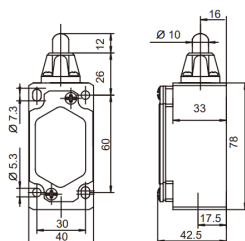


Order Code	Contact block		
SN6173-SP- _	SP 	snap action	1NO+1NC
SN6173-SL- _	SL 	slow action	1NO+1NC BMB
SN6173-SL1- _	SL1 	slow action	1NO+1NC MBB
SN6173-SL2-	SL2 	slow action	2NC



GLOBAL STYLE SAFETY LIMIT SWITCHES (Metal Bodied EN50041 TYPE) SN6 SERIES (SINGLE CONDUIT ENTRY)

SN6111

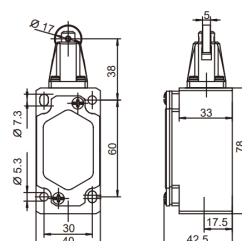


Order Code

Contact block

SN6111-SP- _	SP	⊕	snap action	1NO+1NC
SN6111-SL- _	SL	⊕	slow action	1NO+1NC BBM
SN6111-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SN6111-SL2- _	SL2	⊕	slow action	2NC

SN6112

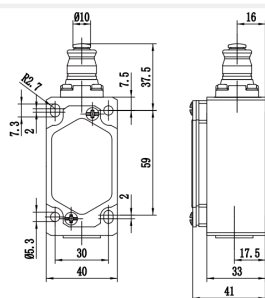


Order Code

Contact block

SN6112-SP- _	SP	⊕	snap action	1NO+1NC
SN6112-SL- _	SL	⊕	slow action	1NO+1NC BBM
SN6112-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SN6112-SL2- _	SL2	⊕	slow action	2NC

SN6111-L1

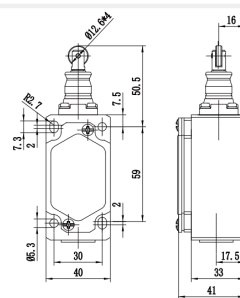


Order Code

Contact block

SN6111-SP- _L1	SP	⊕	snap action	1NO+1NC
SN6111-SL- _L1	SL	⊕	slow action	1NO+1NC BBM
SN6111-SL1- _L1	SL1	⊕	slow action	1NO+1NC MBB
SN6111-SL2- _L1	SL2	⊕	slow action	2NC

SN6112-L

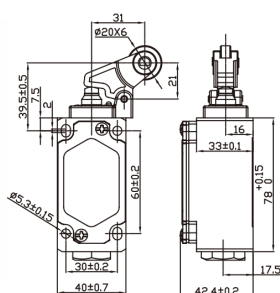


Order Code

Contact block

SN6112-SP- _L1	SP	⊕	snap action	1NO+1NC
SN6112-SL- _L1	SL	⊕	slow action	1NO+1NC BBM
SN6112-SL1- _L1	SL1	⊕	slow action	1NO+1NC MBB
SN6112-SL2- _L1	SL2	⊕	slow action	2NC

SN6172

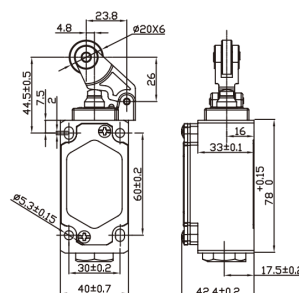


Order Code

Contact block

SN6172-SP- _	SP	⊕	snap action	1NO+1NC
SN6172-SL- _	SL	⊕	slow action	1NO+1NC BBM
SN6172-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SN6172-SL2- _	SL2	⊕	slow action	2NC

SN6173



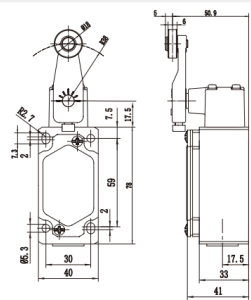
Order Code

Contact block

SN6173-SP- _	SP	⊕	snap action	1NO+1NC
SN6173-SL- _	SL	⊕	slow action	1NO+1NC BBM
SN6173-SL1- _	SL1	⊕	slow action	1NO+1NC MBB
SN6173-SL2- _	SL2	⊕	slow action	2NC

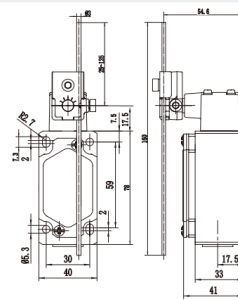
GLOBAL STYLE SAFETY LIMIT SWITCHES (Metal Bodied EN50041 TYPE) SN6 SERIES (SINGLE CONDUIT ENTRY)

SN6104(AB)



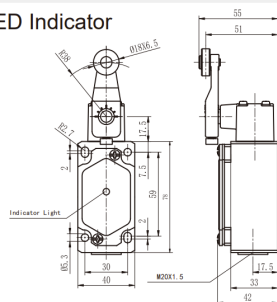
Order Code	Contact block		
SN6104-SP-_(AB)	SP	⊕	snap action 1NO+1NC
SN6104-SL-_(AB)	SL	⊕	slow action 1NO+1NC BBM
SN6104-SL1-_(AB)	SL1	⊕	slow action 1NO+1NC MBB
SN6104-SL2-_(AB)	SL2	⊕	slow action 2NC

SN6107(AB)



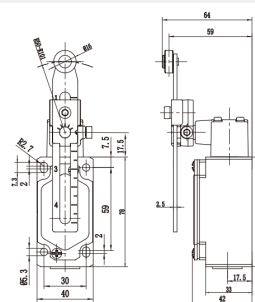
Order Code	Contact block		
SN6107-SP-_(AB)	SP	⊕	snap action 1NO+1NC
SN6107-SL-_(AB)	SL	⊕	slow action 1NO+1NC BBM
SN6107-SL1-_(AB)	SL1	⊕	slow action 1NO+1NC MBB
SN6107-SL2-_(AB)	SL2	⊕	slow action 2NC

SN6104(AB) 24R with LED Indicator



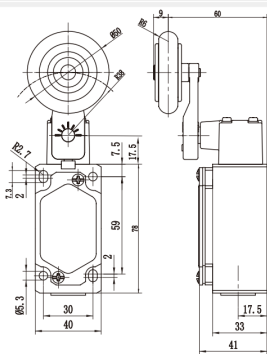
Order Code	Contact block		
SN6104-SP-_(AB) 24R	SP	⊕	snap action 1NO+1NC
SN6104-SL-_(AB) 24R	SL	⊕	slow action 1NO+1NC BBM
SN6104-SL1-_(AB) 24R	SL1	⊕	slow action 1NO+1NC MBB
SN6104-SL2-_(AB) 24R	SL2	⊕	slow action 2NC

SN6108(AB)



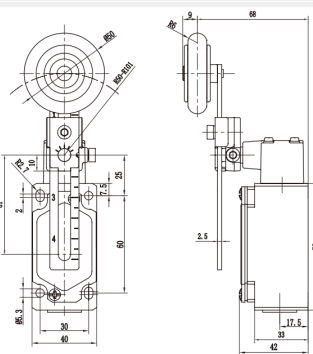
Order Code	Contact block		
SN6108-SP-_(AB)	SP	⊕	snap action 1NO+1NC
SN6108-SL-_(AB)	SL	⊕	slow action 1NO+1NC BBM
SN6108-SL1-_(AB)	SL1	⊕	slow action 1NO+1NC MBB
SN6108-SL2-_(AB)	SL2	⊕	slow action 2NC

SN6114(AB)



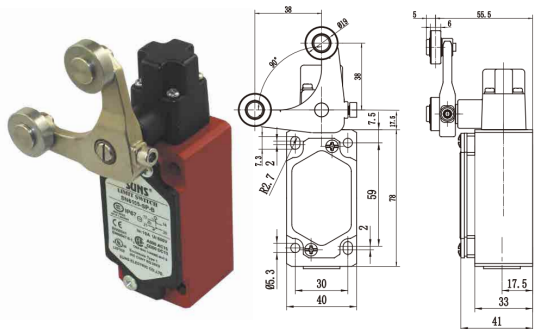
Order Code	Contact block		
SN6114-SP-_(AB)	SP	⊕	snap action 1NO+1NC
SN6114-SL-_(AB)	SL	⊕	slow action 1NO+1NC BBM
SN6114-SL1-_(AB)	SL1	⊕	slow action 1NO+1NC MBB
SN6114-SL2-_(AB)	SL2	⊕	slow action 2NC

SN6118(AB)



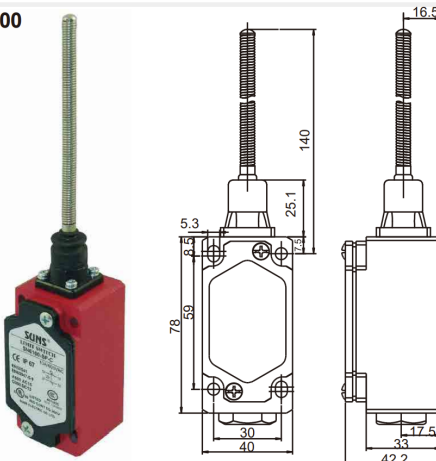
Order Code	Contact block		
SN6118-SP-_(AB)	SP	⊕	snap action 1NO+1NC
SN6118-SL-_(AB)	SL	⊕	slow action 1NO+1NC BBM
SN6118-SL1-_(AB)	SL1	⊕	slow action 1NO+1NC MBB
SN6118-SL2-_(AB)	SL2	⊕	slow action 2NC

GLOBAL STYLE SAFETY LIMIT SWITCHES (Metal Bodied EN50041 TYPE) SN6 SERIES (SINGLE CONDUIT ENTRY)

SN6105(AB)

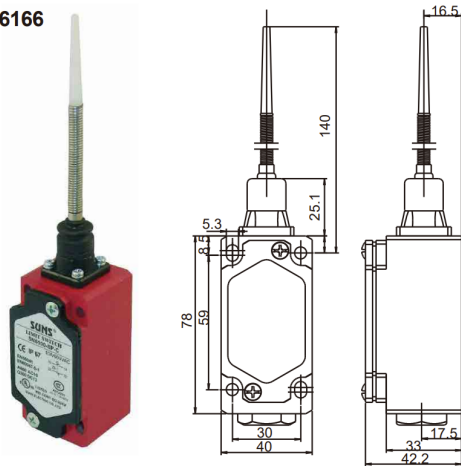
Contact block

SN6105-SP-_(AB)	SP		snap action	1NO+1NC
SN6105-SL-_(AB)	SL		slow action	1NO+1NC BBM

SN6100

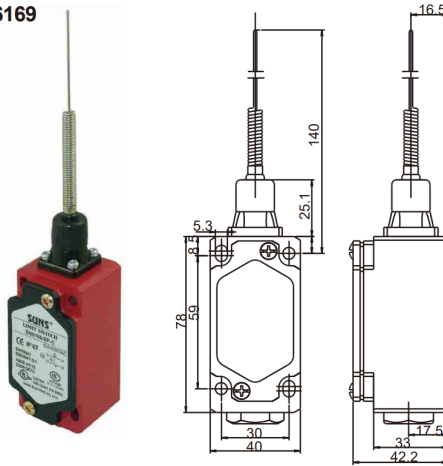
SP	snap action	1NO+1NC
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SN6166



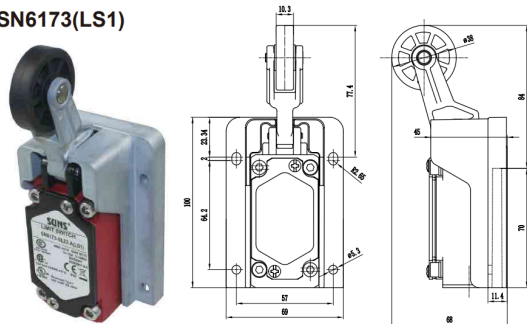
SP	snap action	1NO+1NC
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SN6169



SP	snap action	1NO+1NC
----	-------------	---------

SN6173(LS1)



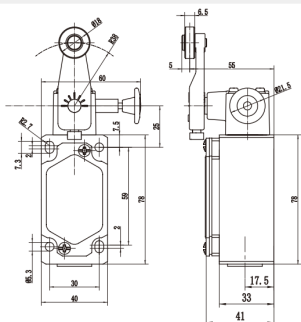
Contact block

SN6173-SP-_(LS1)	SP		snap action	1NO+1NC
SN6173-SL-_(LS1)	SL		slow action	1NO+1NC BBM
SN6173-SL1-_(LS1)	SL1		slow action	1NO+1NC MBB
SN6173-SL2-_(LS1)	SL2		slow action	2NC



GLOBAL STYLE SAFETY LIMIT SWITCHES (Metal Bodied EN50041 TYPE) SN6 SERIES (SINGLE CONDUIT ENTRY WITH RESET)

SN6104-R(AB)



Order Code

SN6104-SP- _R(AB)

Contact block

SP



snap action 1NO+1NC

SN6104-SL- _R(AB)

SL



slow action 1NO+1NC BBM

SN6104-SL1- _R(AB)

SL1



slow action 1NO+1NC MBB

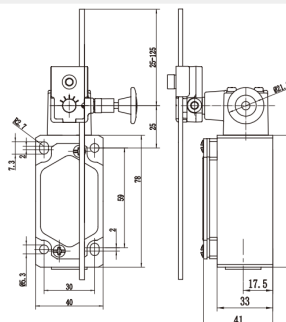
SN6104-SL2- _R(AB)

SL2



slow action 2NC

SN6107-R(AB)



Order Code

SN6107-SP- _R(AB)

SP



snap action 1NO+1NC

SN6107-SL- _R(AB)

SL



slow action 1NO+1NC BBM

SN6107-SL1- _R(AB)

SL1



slow action 1NO+1NC MBB

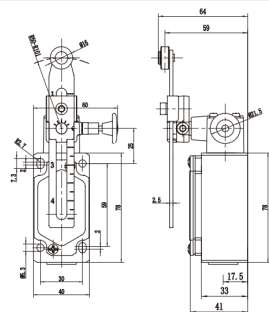
SN6107-SL2- _R(AB)

SL2



slow action 2NC

SN6108-R(AB)



Order Code

SN6108-SP- _R(AB)

SP



snap action 1NO+1NC

SN6108-SL- _R(AB)

SL



slow action 1NO+1NC BBM

SN6108-SL1- _R(AB)

SL1



slow action 1NO+1NC MBB

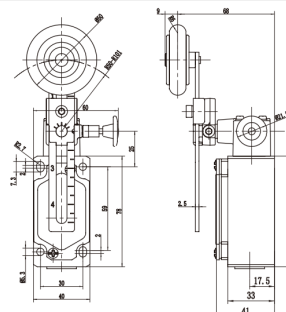
SN6108-SL2- _R(AB)

SL2



slow action 2NC

SN6118-R(AB)



Order Code

SN6118-SP- _R(AB)

SP



snap action 1NO+1NC

SN6118-SL- _R(AB)

SL



slow action 1NO+1NC BBM

SN6118-SL1- _R(AB)

SL1



slow action 1NO+1NC MBB

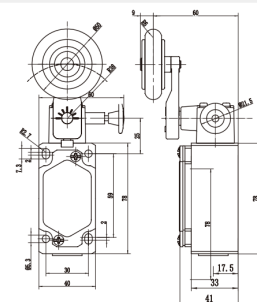
SN6118-SL2- _R(AB)

SL2



slow action 2NC

SN6114-R(AB)



Order Code

SN6114-SP- _R(AB)

SP



snap action 1NO+1NC

SN6114-SL- _R(AB)

SL



slow action 1NO+1NC BBM

SN6114-SL1- _R(AB)

SL1



slow action 1NO+1NC MBB

SN6114-SL2- _R(AB)

SL2



slow action 2NC



Additional Lever Heads for SN61,SN62,SND61,SN63



H-04B(AB) H-04C(AB)



H-04D(AB) H-04E(AB) H-04E5-P2(AB)



H-05-1(AB)

H-05-1LH(AB)

H-05-1RH(AB)



H-08-3(AB)

H-08-4(AB)

H-08-5P(AB)

H-08-6R(AB)

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)	0.63 (16)	H-04B2(AB)
	0.63 (16)	0.25 (6.3)	H-04B3(AB)
	0.63 (16)	0.63 (16)	H-04B4(AB)
1.5 (38)	0.63 (16)	0.63 (16)	H-04B5(AB)
	0.25 (6.3)	0.25 (6.3)	H-04C1(AB)
	0.75 (19)	0.63 (16)	H-04C2(AB)
	1.25 (31.7)	0.63 (16)	H-04C6(AB)
	0.63 (16)	0.25 (6.3)	H-04C3(AB)
	0.63 (16)	0.63 (16)	H-04C4(AB)
2 (51)	1 (25.4)	0.63 (16)	H-04C5(AB)
	1.97 (50)	0.46 (11.7)	H-04C8(AB)
	0.25 (6.3)	0.25 (6.3)	H-04D1(AB)
	0.75 (19)	0.63 (16)	H-04D2(AB)
2.5 (63.5)	0.63 (16)	0.25 (6.3)	H-04D3(AB)
	0.63 (16)	0.63 (16)	H-04D4(AB)
	0.75 (19)	0.25 (6.3)	H-04E1(AB)
	0.63 (16)	0.63 (16)	H-04E2(AB)
3 (76)	0.63 (16)	0.25 (6.3)	H-04E3(AB)
	0.63 (16)	0.63 (16)	H-04E4(AB)
	0.75 (19)	0.25 (6.3)	H-04F1(AB)
	0.63 (16)	0.63 (16)	H-04F2(AB)
	0.25 (6.3)	0.25 (6.3)	H-04F3(AB)
	0.63 (16)	0.63 (16)	H-04F4(AB)

* Mounting hole center to roller center distance

Cast Aluminum Lever Arms with Rubber Roller

Arm Length in. (mm)	Roller Diameter in. (mm)	Roller Width in. (mm)	Part Number
2.5 (63.5)	1.25 (31.8)	1.25 (31.8)	H-04E5-P2

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)
Bendable, adjustable from 22-101mm	0.63 (16)	0.25 (6.3)	H-08B-3(AB)
	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)
	0.75 (19)	0.25 (6.3)	H-08-7P(AB)
Bendable, adjustable from 22-101mm	0.63 (16)	0.25 (6.3)	H-08B-3P(AB)
	1 (25.4)	0.63 (16)	H-08B-5P(AB)

Adjustable Length Lever Arm with Rubber Roller

Lever Length in. (mm)	Roller Dia. in. (mm)	Roller Width in. (mm)	Part Number
Non-bendable, adjustable from 22-101mm	1.97 (50)	0.47 (12)	H-08-6R(AB)



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)