

GLOBAL STYLE LIMIT SWITCHES (EN50041 TYPE)

SN6 SERIES (METAL BODIED)

SND6 SERIES (PLASTIC BODIED, METAL HEADS)



METAL BODIED

PLASTIC BODIED

Features

- Zn/Al 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: M 20, PG13.5 and 1/2"NPT
- Conform to EN 50041 standard

Definitions of Operating Characteristics

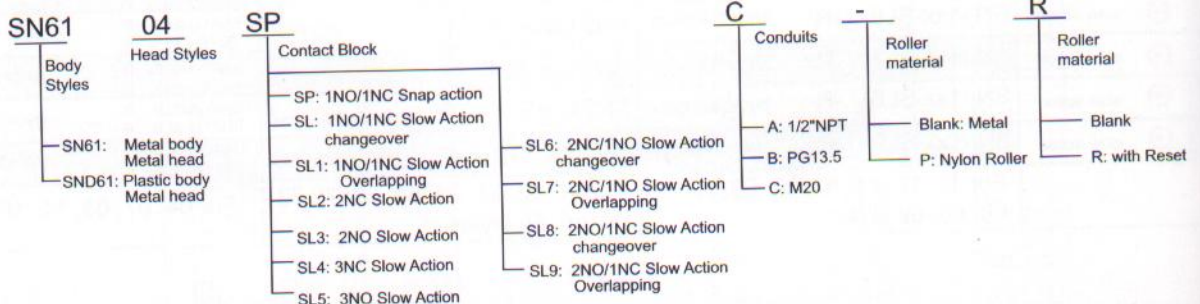
- OF Operating Force
- RF Releasing Force
- OT Overtravel
- TT Total Travel
- PT Pretravel
- MD Movement Differential
- OP Operating Position
- PO Travel to Positive Opening



Specifications

Operating Speed	0.05mm-2m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 30 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ
Rated Current/Voltage	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)
Humidity	< 95%RH
Weight	400-450g for metal body and 150-250g for plastic body
Degree of Protection	IP67

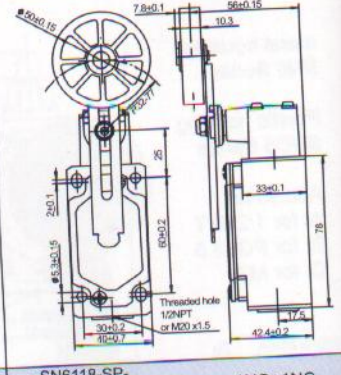
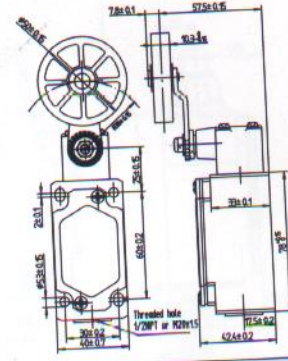
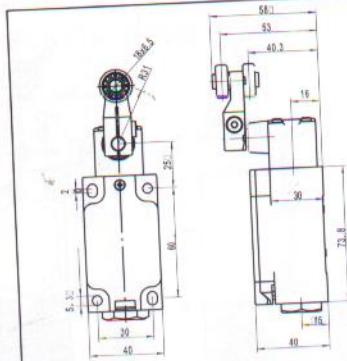
Selection Guide:



metal housing
SN6 Series

Plastic housing
SND6 Series

Add suffix:
A: for 1/2NPT
B: for PG13.5
C: for M20

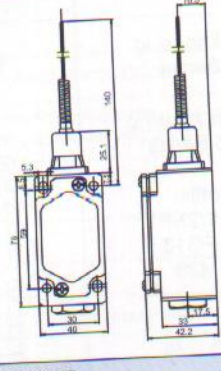
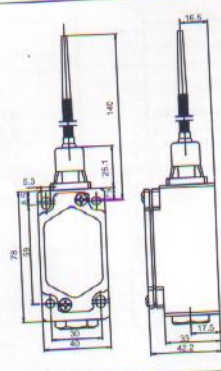
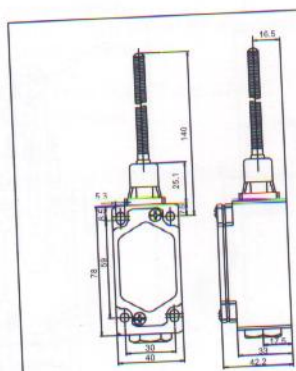


Contact block	Zb	SN6104-SP- _S SND6104-SP- _S	1NO+1NC	SN6114-SP- _S SND6114-SP- _S	1NO+1NC	SN6118-SP- _S SND6118-SP- _S	1NO+1NC
SP	⊕ snap action	SN6104-SL- _S SND6104-SL- _S	1NO+1NC BBM	SN6114-SL- _S SND6114-SL- _S	1NO+1NC BBM	SN6118-SL- _S SND6118-SL- _S	1NO+1NC BBM
SL	⊕ slow action	SN6104-SL1- _S SND6104-SL1- _S	1NO+1NC MBB	SN6114-SL1- _S SND6114-SL1- _S	1NO+1NC MBB	SN6118-SL1- _S SND6118-SL1- _S	1NO+1NC MBB
SL1	⊕ slow action	SN6104-SL2- _S SND6104-SL2- _S	2NC	SN6114-SL2- _S SND6114-SL2- _S	2NC	SN6118-SL2- _S SND6118-SL2- _S	2NC
SL2	⊕ slow action	SN6104-SL3- _S SND6104-SL3- _S	2NO	SN6114-SL3- _S SND6114-SL3- _S	2NO	SN6118-SL3- _S SND6118-SL3- _S	2NO
SL3	slow action	SN6104-SL4- _S SND6104-SL4- _S	3NC	SN6114-SL4- _S SND6114-SL4- _S	3NC	SN6118-SL4- _S SND6118-SL4- _S	3NC
SL4	⊕ slow action	SN6104-SL5- _S SND6104-SL5- _S	3NO	SN6114-SL5- _S SND6114-SL5- _S	3NO	SN6118-SL5- _S SND6118-SL5- _S	3NO
SL5	slow action	SN6104-SL6- _S SND6104-SL6- _S	2NC+1NO BBM	SN6114-SL6- _S SND6114-SL6- _S	2NC+1NO BBM	SN6118-SL6- _S SND6118-SL6- _S	2NC+1NO BBM
SL6	⊕ slow action	SN6104-SL7- _S SND6104-SL7- _S	2NC+1NO MBB	SN6114-SL7- _S SND6114-SL7- _S	2NC+1NO MBB	SN6118-SL7- _S SND6118-SL7- _S	2NC+1NO MBB
SL7	⊕ slow action	SN6104-SL8- _S SND6104-SL8- _S	1NC+2NO BBM	SN6114-SL8- _S SND6114-SL8- _S	1NC+2NO BBM	SN6118-SL8- _S SND6118-SL8- _S	1NC+2NO BBM
SL8	⊕ slow action	SN6104-SL9- _S SND6104-SL9- _S	1NC+2NO MBB	SN6114-SL9- _S SND6114-SL9- _S	1NC+2NO MBB	SN6118-SL9- _S SND6118-SL9- _S	1NC+2NO MBB
SL9	⊕ slow action						

metal housing
SN6 Series

Plastic housing
SND6 Series

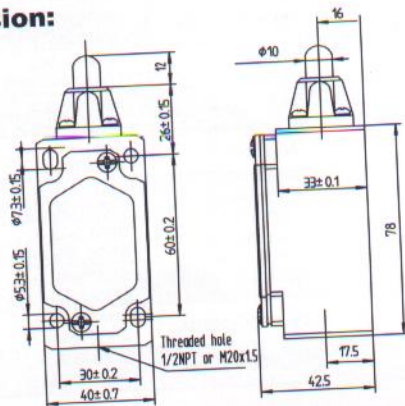
Add suffix:
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C: for M20



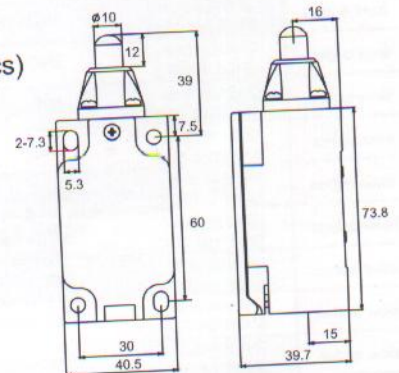
Contact block	Zb	SN6100-SP- _S SND6100-SP- _S	1NO+1NC	SN6166-SP- _S SND6166-SP- _S	1NO+1NC	SN6169-SP- _S SND6169-SP- _S	1NO+1NC
SP	⊕ snap action						

Body Dimension:

SN6 (Metal)



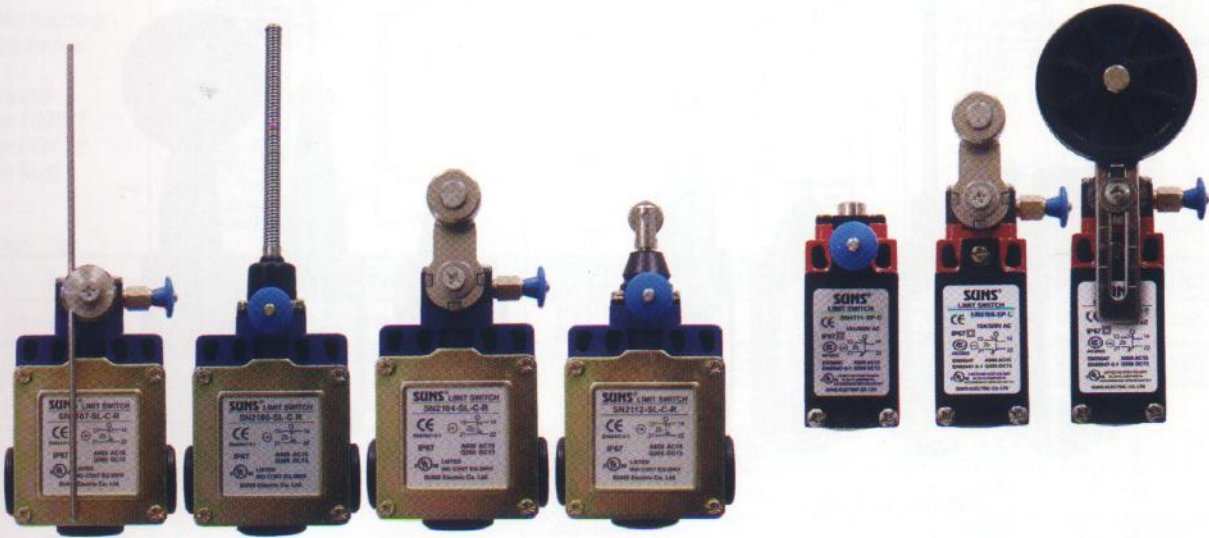
SND6 (Plastics)



**GLOBAL STYLE LIMIT SWITCHES (METAL BODIED EN50047 TYPE)
WITH RESET FUNCTION**



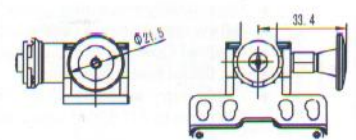
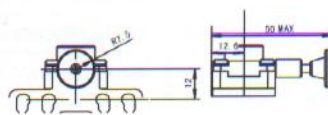
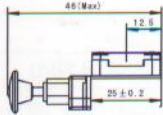
SN4-R SERIES (SINGLE CONDUIT ENTRY, WITH RESET)
SN2-R SERIES (TWO CONDUIT ENTRIES)



SN4 series
(single conduit)

SN2 series
(Three conduits)

Add suffix:
A: for 1/2NPT
B: for PG13.5
C: for M20



Contact block Zb

SP	⊕ snap action	SN41xx-SP-__R	1NO+1NC	SN21xx-SP-__R	1NO+1NC	SN41xx-SP-__R SN21xx-SP-__R	1NO+1NC
SL	⊕ slow action	SN41xx-SL-__R	1NO+1NCBBM	SN21xx-SL-__R	1NO+1NCBBM	SN41xx-SL-__R SN21xx-SL-__R	1NO+1NC BBM
SL1	⊕ slow action	SN41xx-SL1-__R	1NO+1NC MBB	SN21xx-SL1-__R	1NO+1NC MBB	SN41xx-SL1-__R SN21xx-SL1-__R	1NO+1NC MBB
SL2	⊕ slow action	SN41xx-SL2-__R	2NC	SN21xx-SL2-__R	2NC	SN41xx-SL2-__R SN21xx-SL2-__R	2NC
SL3	slow action	SN41xx-SL3-__R	2NO	SN21xx-SL3-__R	2NO	SN41xx-SL3-__R SN21xx-SL3-__R	2NO
SL4	⊕ slow action	SN41xx-SL4-__R	3NC	SN21xx-SL4-__R	3NC	SN41xx-SL4-__R SN21xx-SL4-__R	3NC
SL5	slow action	SN41xx-SL5-__R	3NO	SN21xx-SL5-__R	3NO	SN41xx-SL5-__R SN21xx-SL5-__R	3NO
SL6	⊕ slow action	SN41xx-SL6-__R	2NC+1NOBBM	SN21xx-SL6-__R	2NC+1NOBBM	SN41xx-SL6-__R SN21xx-SL6-__R	2NC+1NO BBM
SL7	⊕ slow action	SN41xx-SL7-__R	2NC+1NO MBB	SN21xx-SL7-__R	2NC+1NO MBB	SN41xx-SL7-__R SN21xx-SL7-__R	2NC+1NO MBB
SL8	⊕ slow action	SN41xx-SL8-__R	1NC+2NOBBM	SN21xx-SL8-__R	1NC+2NOBBM	SN41xx-SL8-__R SN21xx-SL8-__R	1NC+2NO BBM
SL9	⊕ slow action	SN41xx-SL9-__R	1NC+2NO MBB	SN21xx-SL9-__R	1NC+2NO MBB	SN41xx-SL9-__R SN21xx-SL9-__R	1NC+2NO MBB
			For 11, 12, 31, 32, 62, 63, 72, 73 00, 66, 69 styles	For 11, 12, 31, 32, 62, 63, 72, 73 00, 66, 69 styles	For 04, 07, 08, 14, 18 styles		