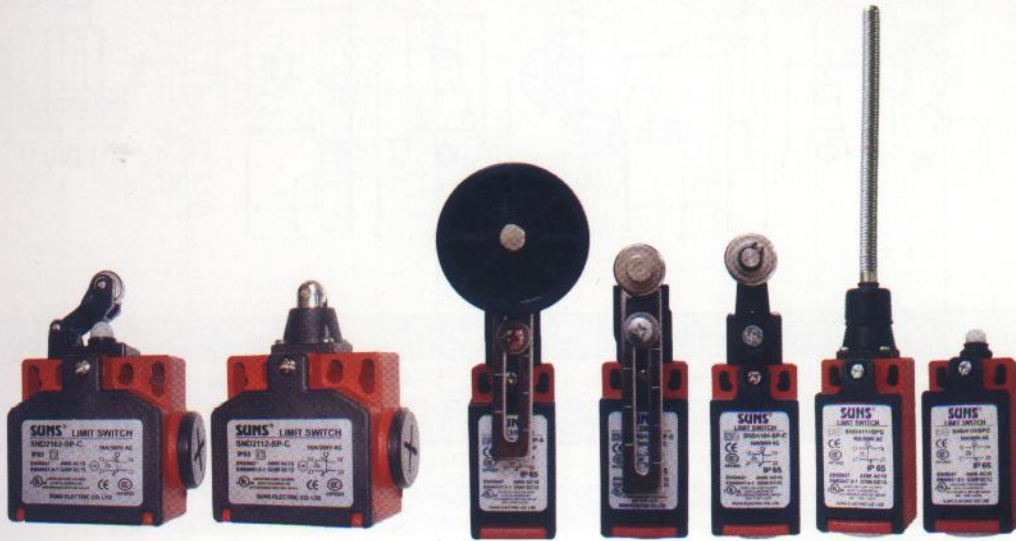


GLOBAL STYLE LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)

SND4 SERIES (SINGLE CONDUIT ENTRY)

SND2 SERIES (TWO CONDUIT ENTRIES)



Features

- Glass fiber reinforced plastic body with metal heads
- 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 50047 standard

Definitions of Operating Characteristics

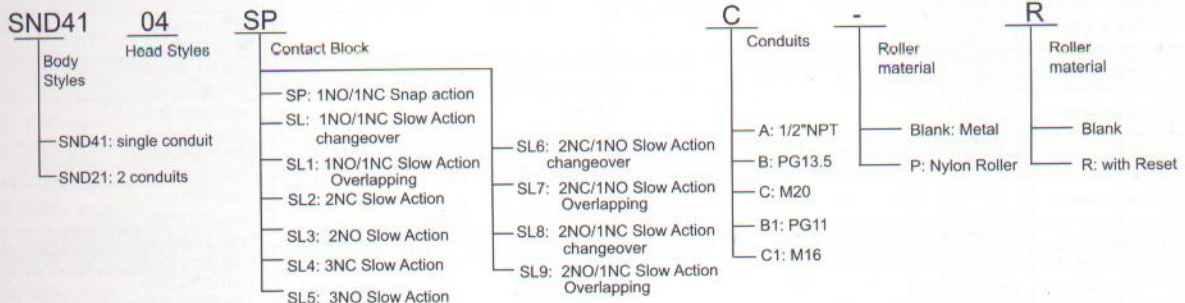
- OF Operating Force
- RF Releasing Force
- OT Overtravel
- TT Total Travel
- PT Pretravel
- MD Movement Differential
- OP Operating Position
- PO Travel to Positive Opening



Specifications

Operating Speed	0.05mm-2m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 30 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ
Rated Current/Voltage	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 x 10 ⁷ (operations) Electrically 5 x 10 ⁵ (operations)
Operating Temperature	-25~+80°C (-13~176°F)
Humidity	< 95%RH
Weight	150-250g
Degree of Protection	IP65

Selection Guide:



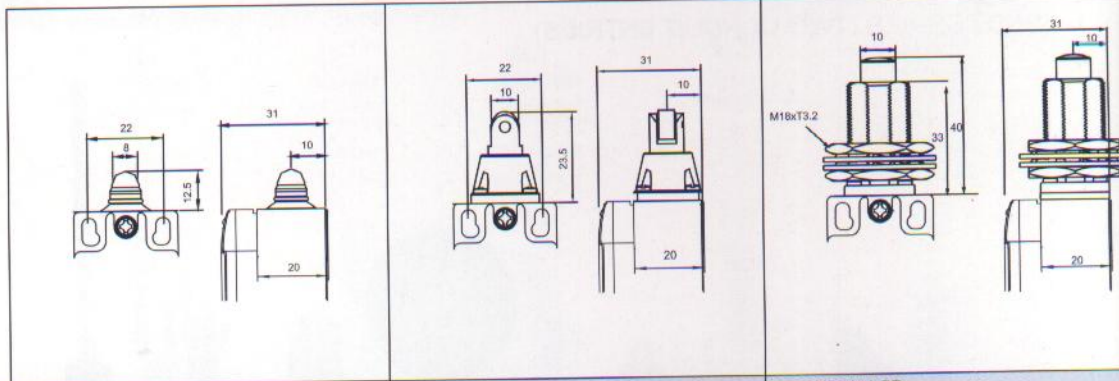
GLOBAL STYLE LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)



SND4 series
(single conduit)

SND2 series
(two conduits)

Add suffix:
A: for 1/2NPT
B: for PG13.5
B1: for PG11
C: for M20
C1: for M16

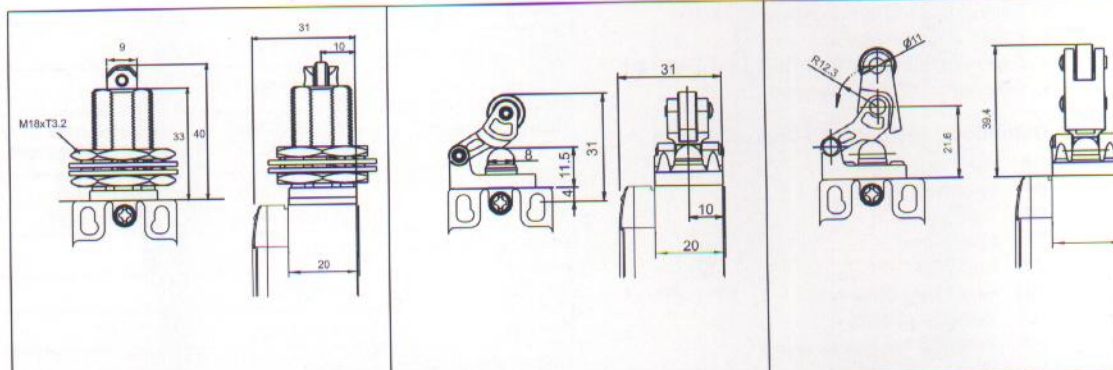


Contact block		Zb	SND4111-SP- SND2111-SP-		SND4112-SP- SND2112-SP-		SND4131-SP- SND2131-SP-	
SP	⊕	snap action	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC
SL	⊕	slow action	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM
SL1	⊕	slow action	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB
SL2	⊕	slow action	2NC	2NC	2NC	2NC	2NC	2NC
SL3		slow action	2NO	2NO	2NO	2NO	2NO	2NO
SL4	⊕	slow action	3NC	3NC	3NC	3NC	3NC	3NC
SL5		slow action	3NO	3NO	3NO	3NO	3NO	3NO
SL6	⊕	slow action	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM
SL7	⊕	slow action	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB
SL8	⊕	slow action	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM
SL9	⊕	slow action	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB

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(single conduit)

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Contact block		Zb	SND4132-SP- SND2132-SP-		SND4162-SP- SND2162-SP-		SND4163-SP- SND2163-SP-	
SP	⊕	snap action	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC
SL	⊕	slow action	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM	1NO+1NC BBM
SL1	⊕	slow action	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB	1NO+1NC MBB
SL2	⊕	slow action	2NC	2NC	2NC	2NC	2NC	2NC
SL3		slow action	2NO	2NO	2NO	2NO	2NO	2NO
SL4	⊕	slow action	3NC	3NC	3NC	3NC	3NC	3NC
SL5		slow action	3NO	3NO	3NO	3NO	3NO	3NO
SL6	⊕	slow action	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM	2NC+1NO BBM
SL7	⊕	slow action	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB	2NC+1NO MBB
SL8	⊕	slow action	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM	1NC+2NO BBM
SL9	⊕	slow action	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB	1NC+2NO MBB

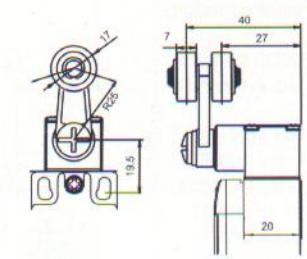
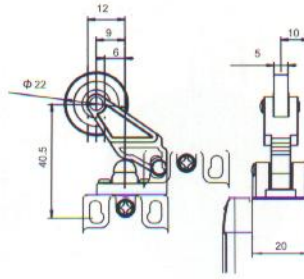
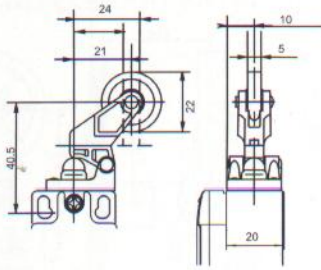
GLOBAL STYLE LIMIT SWITCHES (PLASTIC BODIED EN50047 TYPE)



SND4 series
(single conduit)

SND2 series
(two conduits)

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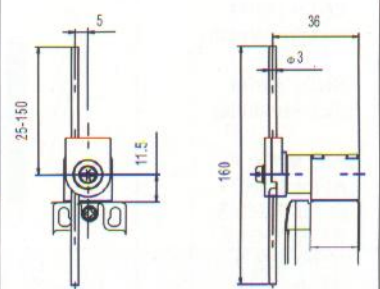
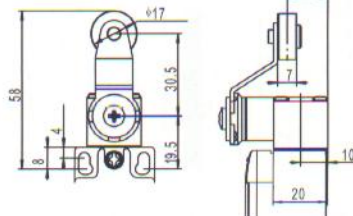
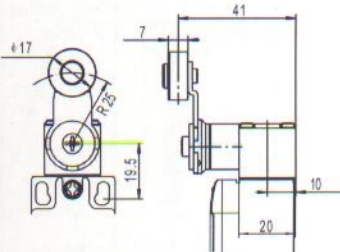
Contact block Zb

SP	⊕ snap action	SND4172-SP- SND2172-SP-	1NO+1NC	SND4173-SP- SND2173-SP-	1NO+1NC	SND4104-SP- SND2104-SP-	1NO+1NC
SL	⊕ slow action	SND4172-SL- SND2172-SL-	1NO+1NC BBM	SND4173-SL- SND2173-SL-	1NO+1NC BBM	SND4104-SL- SND2104-SL-	1NO+1NC BBM
SL1	⊕ slow action	SND4172-SL1- SND2172-SL1-	1NO+1NC MBB	SND4173-SL1- SND2173-SL1-	1NO+1NC MBB	SND4104-SL1- SND2104-SL1-	1NO+1NC MBB
SL2	⊕ slow action	SND4172-SL2- SND2172-SL2-	2NC	SND4173-SL2- SND2173-SL2-	2NC	SND4104-SL2- SND2104-SL2-	2NC
SL3	slow action	SND4172-SL3- SND2172-SL3-	2NO	SND4173-SL3- SND2173-SL3-	2NO	SND4104-SL3- SND2104-SL3-	2NO
SL4	⊕ slow action	SND4172-SL4- SND2172-SL4-	3NC	SND4173-SL4- SND2173-SL4-	3NC	SND4104-SL4- SND2104-SL4-	3NC
SL5	slow action	SND4172-SL5- SND2172-SL5-	3NO	SND4173-SL5- SND2173-SL5-	3NO	SND4104-SL5- SND2104-SL5-	3NO
SL6	⊕ slow action	SND4172-SL6- SND2172-SL6-	2NC+1NO BBM	SND4173-SL6- SND2173-SL6-	2NC+1NO BBM	SND4104-SL6- SND2104-SL6-	2NC+1NO BBM
SL7	⊕ slow action	SND4172-SL7- SND2172-SL7-	2NC+1NO MBB	SND4173-SL7- SND2173-SL7-	2NC+1NO MBB	SND4104-SL7- SND2104-SL7-	2NC+1NO MBB
SL8	⊕ slow action	SND4172-SL8- SND2172-SL8-	1NC+2NO BBM	SND4173-SL8- SND2173-SL8-	1NC+2NO BBM	SND4104-SL8- SND2104-SL8-	1NC+2NO BBM
SL9	⊕ slow action	SND4172-SL9- SND2172-SL9-	1NC+2NO MBB	SND4173-SL9- SND2173-SL9-	1NC+2NO MBB	SND4104-SL9- SND2104-SL9-	1NC+2NO MBB

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Contact block Zb

SP	⊕ snap action	SND4104-SP- _M SND2104-SP- _M	1NO+1NC	SND4104-SP- _{SM} SND2104-SP- _{SM}	1NO+1NC	SND4107-SP- SND2107-SP-	1NO+1NC
SL	⊕ slow action	SND4104-SL- _M SND2104-SL- _M	1NO+1NC BBM	SND4104-SL- _{SM} SND2104-SL- _{SM}	1NO+1NC BBM	SND4107-SL- SND2107-SL-	1NO+1NC BBM
SL1	⊕ slow action	SND4104-SL1- _M SND2104-SL1- _M	1NO+1NC MBB	SND4104-SL1- _{SM} SND2104-SL1- _{SM}	1NO+1NC MBB	SND4107-SL1- SND2107-SL1-	1NO+1NC MBB
SL2	⊕ slow action	SND4104-SL2- _M SND2104-SL2- _M	2NC	SND4104-SL2- _{SM} SND2104-SL2- _{SM}	2NC	SND4107-SL2- SND2107-SL2-	2NC
SL3	slow action	SND4104-SL3- _M SND2104-SL3- _M	2NO	SND4104-SL3- _{SM} SND2104-SL3- _{SM}	2NO	SND4107-SL3- SND2107-SL3-	2NO
SL4	⊕ slow action	SND4104-SL4- _M SND2104-SL4- _M	3NC	SND4104-SL4- _{SM} SND2104-SL4- _{SM}	3NC	SND4107-SL4- SND2107-SL4-	3NC
SL5	slow action	SND4104-SL5- _M SND2104-SL5- _M	3NO	SND4104-SL5- _{SM} SND2104-SL5- _{SM}	3NO	SND4107-SL5- SND2107-SL5-	3NO
SL6	⊕ slow action	SND4104-SL6- _M SND2104-SL6- _M	2NC+1NO BBM	SND4104-SL6- _{SM} SND2104-SL6- _{SM}	2NC+1NO BBM	SND4107-SL6- SND2107-SL6-	2NC+1NO BBM
SL7	⊕ slow action	SND4104-SL7- _M SND2104-SL7- _M	2NC+1NO MBB	SND4104-SL7- _{SM} SND2104-SL7- _{SM}	2NC+1NO MBB	SND4107-SL7- SND2107-SL7-	2NC+1NO MBB
SL8	⊕ slow action	SND4104-SL8- _M SND2104-SL8- _M	1NC+2NO BBM	SND4104-SL8- _{SM} SND2104-SL8- _{SM}	1NC+2NO BBM	SND4107-SL8- SND2107-SL8-	1NC+2NO BBM
SL9	⊕ slow action	SND4104-SL9- _M SND2104-SL9- _M	1NC+2NO MBB	SND4104-SL9- _{SM} SND2104-SL9- _{SM}	1NC+2NO MBB	SND4107-SL9- SND2107-SL9-	1NC+2NO MBB

