CABLE PULL SAFETY SWITCHES
(Two - Way Actuation)

2-way cable pull switches are designed to avert hazards (dangerous situation) at the earliest possible moment, or to reduce existing risks which could cause injury to persons or damage to either machines or to work in progress. The switch works in two direction. 1) tripped in the event of the trip wire breaking; 2) tripped with the trip wire is pulled.

Application examples: woodworking machines, cutting presses, conveyor systems, transfer machines, printing and textile machines, rolling mills etc.

Features

- Positive Opening of NC contacts
- Screw terminals with self-lifting clamps for easy wiring
- Latch/Reset function
- Galvanically separated contacts
- Custom pull force for different applications

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 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 x10^7 (operations) Electrically 5 x10^5 (operations)
Operating Temperature	-25~+80°C (-13~176°F)
Humidity	< 95%RH
Degree of Protection	IP65/IP67

Selection Guide:

SN6170 — Body Style
- SND4170 Small plastic, 1 conduit
- SND2170 plastic, 2 conduits
- SND6170 Large plastic, 1 conduit
- SN6271 Large metal, 1 conduit

SL — Contact Block
- SL: 1NO/1NC Slow Action changeover
- SL1: 1NO/1NC Slow Action Overlapping
- SL2: 2NC Slow Action
- SL7: 2NC/1NO Slow Action Overlapping

C — Conduits
- A: 1/2"NPT
- B: PG13.5
- C: M20
- B1: PG11
- C1: M16

- L

(70N) — Optional (pull force at starting point)
- force in Newton

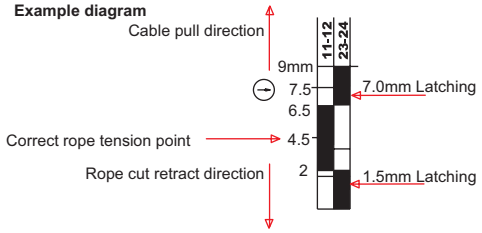
R
- Lock/Reset function
- Blank
- R: with Reset function

Explanation of Travel Diagram

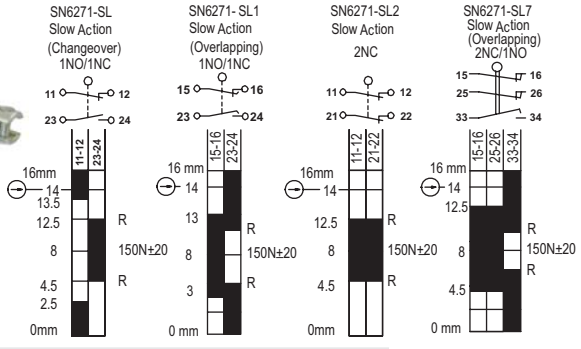
Definitions of Operating Characteristics

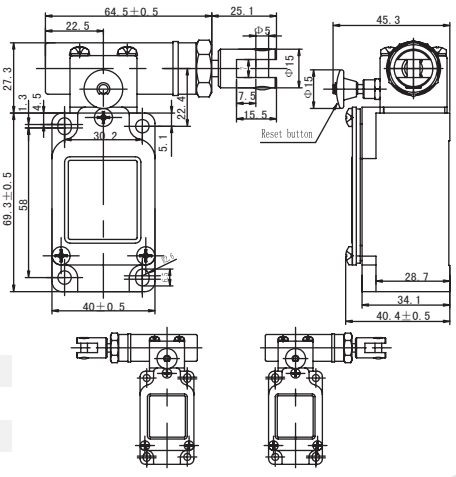
OF	Operating Force	PT	Pretravel
RF	Releasing Force	MD	Movement Differential
OT	Overtravel	OP	Operating Position
TT	Total Travel	PO	Travel to Positive Opening

Example diagram



SN6271





Order Code	Contact block			
SN6271-SL-LR	SL	slow action	1NO+1NC	BBM
SN6271-SL1-LR	SL1	slow action	1NO+1NC	MBB
SN6271-SL2-LR	SL2	slow action	2NC	
SN6271-SL7-LR	SL7	slow action	2NC+1NO	

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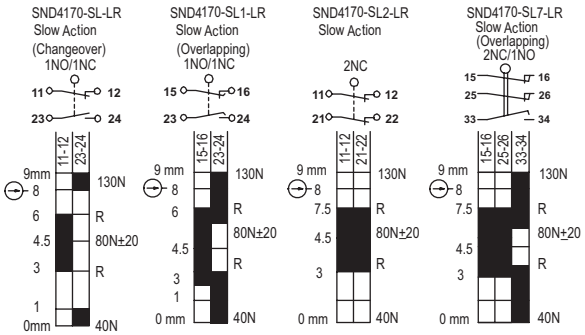
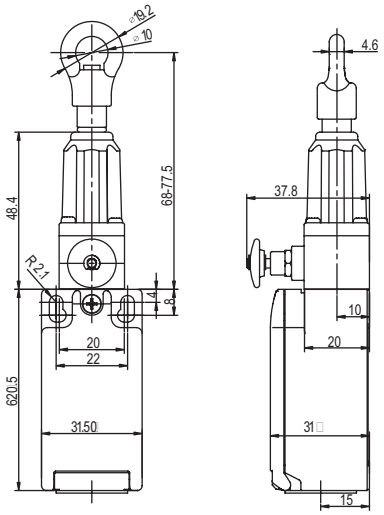
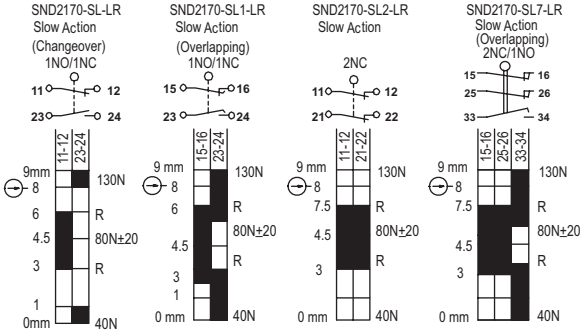
SND4170-LR

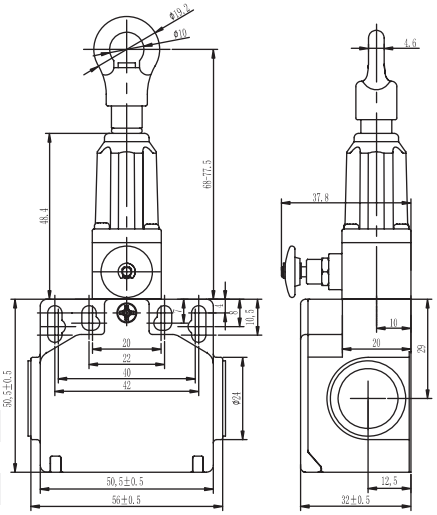




Order Code	Contact block			
SND4170-SL-LR	SL	slow action	1NO+1NC	BBM
SND4170-SL1-LR	SL1	slow action	1NO+1NC	MBB
SND4170-SL2-LR	SL2	slow action	2NC	
SND4170-SL7-LR	SL7	slow action	2NC+1NO	

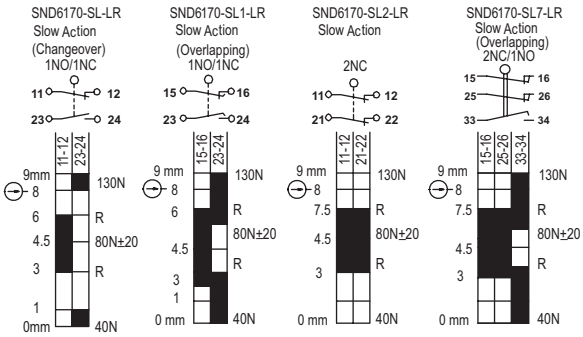
SND2170-LR

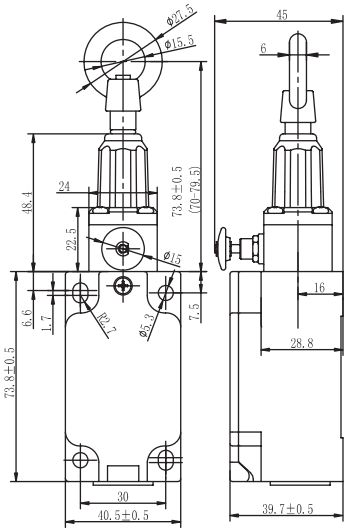




Order Code	Contact block			
SND2170-SL-LR	SL	slow action	1NO+1NC	BBM
SND2170-SL1-LR	SL1	slow action	1NO+1NC	MBB
SND2170-SL2-LR	SL2	slow action	2NC	
SND2170-SL7-LR	SL7	slow action	2NC+1NO	

SND6170-LR





Order Code	Contact block			
SND6170-SL-LR	SL	slow action	1NO+1NC	BBM
SND6170-SL1-LR	SL1	slow action	1NO+1NC	MBB
SND6170-SL2-LR	SL2	slow action	2NC	
SND6170-SL7-LR	SL7	slow action	2NC+1NO	