

PC 200 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 201	Ball Actuator	Snap Action	1 NO + 1 NC			
PC 201N	Ball Actuator	Normal Action	1 NO + 1 NC			
PC 202	Roller Actuator	Snap Action	1 NO + 1 NC			
PC 202N	Roller Actuator	Normal Action	1 NO + 1 NC			
PC 203	Roller Lever Actuator	Snap Action	1 NO + 1 NC			
PC 203N	Roller Lever Actuator	Normal Action	1 NO + 1 NC			
PC 204	Slipping Roller Lever Actuator	Snap Action	1 NO + 1 NC			
PC 204N	Slipping Roller Lever Actuator	Normal Action	1 NO + 1 NC			
PC 205	Rotating Roller Lever Actuator	Snap Action	1 NO + 1 NC			
PC 205N	Rotating Roller Lever Actuator	Normal Action	1 NO + 1 NC			
PC 206	Spring Needle Actuator	Snap Action	1 NO + 1 NC			
PC 206N	Spring Needle Actuator	Normal Action	1 NO + 1 NC			

PC 100, 200, 300 & 400 SERIES LIMIT SWITCHES

SALIENT FEATURES

- PC 100** Series limit switches are designed to operate two circuits at a time with a single plunger. The operating head cannot be interchanged as the design is application dedicated. Transparent acrylic top cover allows inspection of the contacts.
- PC 200** Series limit switches are compact type having 32mm width and offer complete interchangeability of the Enclosure and Actuator assembly throughout the series. A non-metallic plastic top cover is provided to avoid electric shock under abnormal conditions. These are oil tight and dust proof switches. In 200 Series all models are available in Snap and Normal action mechanisms.
- PC 300** Series limit switches are Micro switches with pressure die-cast, aluminium housing. The Operating Head cannot be interchanged as the design is application dedicated. These Series limit switches have a special type of leaf roller lever with 60mm Long. The operating travel is much less compared to other series switches.
- PC 400** Series limit switches are designed for double action in which two plungers are provided, one on each side. The mechanism is maintained type in which NC Contacts will open with one side plunger actuation and will remain in this condition till next actuation force is applied from the opposite side. During the actuation, the NO contact will close and vice versa. Only one specially designed, application dedicated, single pole double throw change over contact model is available in this series.

PC 100 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 101H	Horizontal Roller Actuator	Snap Action	2 NO + 2 NC			
PC 102V	Vertical Roller Actuator	Snap Action	2 NO + 2 NC			
PC 103LS	Long Stem Horizontal Roller Actuator	Snap Action	2 NO + 2 NC			
PC 104B	Bellow Actuator	Snap Action	2 NO + 2 NC			

PC 200 SERIES LIMIT SWITCHES

PC 207/1	Angular Roller Lever Actuator (Right Side)	Snap Action	1 NO + 1 NC			
PC 207/1N	Angular Roller Lever Actuator (Right Side)	Normal Action	1NO + 1NC			
PC 207/2	Angular Roller Lever Actuator (Left Side)	Snap Action	1NO + 1NC			
PC 207/2N	Angular Roller Lever Actuator (Left Side)	Normal Action	1NO + 1NC			
PC 208	Long Roller Lever Actuator	Snap Action	1 NO + 1 NC			
PC 208N	Long Roller Lever Actuator	Normal Action	1 NO + 1 NC			

PC 300 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 301P (Old Code PC 302P)	Plunger Actuator	Snap Action 1 NO + 1 NC			
PC 302H (Old Code PC 301 H)	Horizontal Roller Actuator	Snap Action 1 NO + 1 NC			
PC 302V (Old Code PC 301 V)	Vertical Roller Actuator	Snap Action 1 NO + 1 NC			

PC 300 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 303	Angular Leaf Roller Lever Actuator	Snap Action 1 NO+1 NC			

PC 400 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 401	Double Plunger Actuator	Snap Action 1 NO+1 NC			

TECHNICAL DATA AS PER STANDARD IEC 60947 5-1 OF 1997

TECHNICAL DATA	PC 100 SERIES LIMIT SWITCHES	PC 200 SERIES LIMIT SWITCHES	PC 300 SERIES LIMIT SWITCHES	PC 400 SERIES LIMIT SWITCHES
Design	4 Types of Operating Heads	8 Types of Operating Heads	4 Types of Operating Heads	Double Action
Contact Combination	2NO+2NC, Double Pole Double Throw Single Break	1NO+1NC, Single Pole, Double Throw, Double Break	1NO+1NC, Single Pole, Double Throw, Single Break	1NO+1NC, Single Pole, Double Throw, Single Break.
Mechanism	Snap Action	Snap / Normal Action	Snap Action	Snap Action
Current & Voltage Rating	5A, 250V AC	10A, 500V AC	10A, 440V AC	10A, 440V AC
Cable Entry	G3/8 BSP - 2 Nos.	G 3/8 BSP - 3 Nos. or Pg 9 - 3 Nos. or M18x1.5 - 3 Nos.	½" BSP- 1 No. Pg 9 - 1 No.	½" BSP - 1 No.
Terminal Capacity	2.5sq mm solid / stranded Conductors	2.5 sq.mm solid / stranded Conductors	2.5 sq.mm solid / stranded Conductors	2.5 sq.mm solid / stranded Conductors
Electrical Protection	IP4X for all 100 Series	IP 65 for all 200 Series	IP4X for all 300 Series	IP4X for all 400 Series
Operating Force	900 Grams (max)	a)450 600Grams(max). b)250 400Grams(max) for PC 206 & PC 208	a) 900 Grams(max) for PC 301 & PC 302 b) 600 Grams(max) for PC 303	450 - 600Grams(max).
Housing	Aluminium Pressure Die Casting	Aluminium Pressure Die Casting	Aluminium Pressure Die Casting	Aluminium Pressure Die Casting
Application	Textile Machines such as Comber, Blow Room Machinery	Textile Machine such as Draw, Ring & speed Frames. Blow Room, Carding Comber & Doffer Machines	Textile Machines such as Comber, Draw Frame, Blow Room & Carding Machines.	Textile Machines such as Speed Frame(LF 1400)

PC 600 SERIES LIMIT SWITCHES

SALIENT FEATURES

PC 600 Series Limit Switches are designed to having 34mm width, with specially designed head which rotates in steps of 90° in four directions and allows actuating rod from any of the 4 directions. The switches are actuated by push rod, normal roller lever, angular roller lever, crank lever etc. The roller is made of high grade wear resistant moulded phenolic material. In addition, Fork type in Line Rollers, Fork type Offset Rollers, 76mm Long Roller Lever and 32.0 to 82.5mm Adjustable Roller Lever Operating Heads are available with Steel Rollers for flexibility..

PC 600 Series Limit Switch Enclosure are interchangeable in types PC 601, PC 602, PC 603, PC 604, PC 607 and PC 608.

The Operating Heads of PC 600 Series Limit Switches Like Rotating Roller Lever, Fork Type in Line Rollers,

Fork Type Offset Rollers, 76mm Long Roller Lever are interchangeable with the enclosure for PC 605.

The Boxes and Actuator Assemblies of PC 606 and PC 609 are not interchangeable with the rest of the PC 600 Series.

PC 600 Series Limit Switches offers a variety of Degree of Protection from IPXX to IP65 and also a range of contact arrangement to provide operational flexibility and economics.

The Application area coverage of PC 600 Series Limit switches are Injection Moulding Machines, Hoists & Cranes Machine Tools, Textile Machines and SPM's.

PC 600 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 600	Only Push Rod Operated, without Housing IP XX	Snap Action 1 NO + 1 NC			
PC 600 N	Only Push Rod Operated, Without Housing IP XX	Normal Action 1 NO + 1 NC			
PC 600 NE		Extended Stroke 1 NO + 1 NC			
PC 600 NOL		Over Lapping 1 NO + 1 NC			

❖ Add suffix 'P' for Switches with Plastic Protective Covers for IP 4x protection ie. PC 600P, PC 600 NP etc.,

PC 600 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 601	In Die Cast Aluminium Housing, with Push Rod Operated	Snap Action 1 NO + 1 NC			
PC 601N		Normal Action 1 NO + 1 NC			
PC 601NE		IP 65 Extended Stroke 1 NO + 1 NC			
PC 601NOL		Over Lapping 1 NO + 1 NC			
PC 602	In Die Cast Aluminium Housing, with Horizontal Roller Actuator	Snap Action 1 NO + 1 NC			
PC 602N		Normal Action 1 NO + 1 NC			
PC 602NE		IP 65 Extended Stroke 1 NO + 1 NC			
PC 602NOL		Over Lapping 1 NO + 1 NC			
PC 603	In Diecast Aluminium Housing, With Normal Roller Lever Actuator	Snap Action 1 NO+1 NC			
PC 603N		Normal Action 1 NO+1 NC			
PC 603NE		IP 65 Extended Stroke 1 NO+1 NC			
PC 603NOL		Over Lapping 1 NO+1 NC			

**PC 600 SERIES
LIMIT SWITCHES**

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 604	In Die Cast Aluminium Housing with Slipping Roller Lever Actuator	Snap Action	1 NO+1 NC			
PC 604N	IP65	Normal Action	1 NO+1 NC			
PC 605	In Die Cast Aluminium Housing, with Rotating Roller Lever Actuator IP65	Snap Action	1 NO+1 NC			
PC 605N		Normal Action	1 NO+1 NC			
PC 605NOL		Over Lapping	1 NO+1 NC			
PC 605F	In Diecast Alum. Housing, with Fork Type in line Roller Lever IP65	Snap Action	1 NO+1 NC			
PC 605FO	In Die cast Alum. Housing, with Fork Type Offset Roller Lever Actuator IP65	Snap Action	1 NO+1 NC			
PC 605L	In Diecast Aluminium Housing, With 76mm Rotating Roller Lever Actuator IP 65	Snap Action	1 NO+1 NC			
PC 605A	In Die Cast Aluminium Housing, with Rotating Adjustable Roller Lever IP 65	Snap Action	1 NO+1 NC			

**PC 600 SERIES
LIMIT SWITCHES**

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 606	In Die Cast Aluminium Housing, with Spring Needle Actuator IP65	Snap Action	1 NO + 1 NC			
PC 606N		Normal Action	1 NO + 1 NC			
PC 607	In Die Cast Aluminium Housing, with Angular Lever Actuator IP 65	Snap Action	1 NO + 1 NC			
PC 607N		Normal Action	1 NO + 1 NC			
PC 607NE		Extended Stroke	1 NO + 1 NC			
PC 607NOL		Over Lapping	1 NO + 1 NC			
PC 608	In Die Cast Aluminium Housing, with Long Roller Lever Actuator IP65	Snap Action	1 NO + 1 NC			
PC 608N		Normal Action	1 NO + 1 NC			
PC 608NE		Extended Stroke	1 NO + 1 NC			
PC 608NOL		Over Lapping	1 NO + 1 NC			
PC 609	In Die Cast Aluminium Housing, With Short Roller Lever Actuator IP 43	Snap Action	1 NO + 1 NC			
PC 609N		Normal Action	1 NO + 1 NC			
PC 609NE		Extended Stroke	1 NO + 1 NC			
PC 609NOL	Over Lapping	1 NO + 1 NC				

PC 600 SERIES LIMIT SWITCHES

TECHNICAL DATA AS PER STANDARD IEC 60947- 5-1 OF 1997

TECHNICAL DATA	PC 600 Series Limit Switches																	
Utilisation category	AC 15 and DC 13																	
Design	13 Types of Operating Heads																	
Contact Combination	1 NO+1NC, Single Pole, Double Throw, Double Break																	
Mechanism	Snap Action or Normal Action or Extended Stroke or Overlapping																	
Current & Voltage Rating	10A, 500V AC, or 10A, 600V DC																	
Thermal Current (Ith)	10A																	
Permissible Ambient Temperature	-40 Degree C to +85 Degree C																	
Frequency of Operation	6000 Cycles per hour																	
Mechanical Life	15 Million Switching Cycles																	
Contact Life AC	<table border="1"> <thead> <tr> <th colspan="2">Breaking Current (Amps.)</th> <th>1</th> <th>3</th> <th>6</th> <th>10</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Switching Cycles in Million</td> <td>Normal Action</td> <td>15</td> <td>5</td> <td>2.5</td> <td>1</td> </tr> <tr> <td>Snap Action</td> <td>11</td> <td>4</td> <td>1.8</td> <td>0.7</td> </tr> </tbody> </table>	Breaking Current (Amps.)		1	3	6	10	Switching Cycles in Million	Normal Action	15	5	2.5	1	Snap Action	11	4	1.8	0.7
	Breaking Current (Amps.)		1	3	6	10												
Switching Cycles in Million	Normal Action	15	5	2.5	1													
	Snap Action	11	4	1.8	0.7													
Making & Breaking Capacity	AC 15 duty, ie at 40-60 Hz, P.F. of 0.3 (lag) to 1																	
	Voltage V (AC)	Rated Operating Current (Ie) Amps	Rated Making Capacity (Amps)		Rated Breaking Capacity (Amps)													
		NA SA	NA SA	NA SA	NA SA													
	24	6 3	90 30	60 30														
	120	6 3	90 30	60 30														
	240	6 3	90 30	60 30														
380	6 3	90 30	60 30															
480	4 3	90 30	60 30															
500	4 3	90 30	60 30															
Cable Entry	M20 x 1.5-3 Nos or ½" NPT																	
Terminal Capacity	2.5 Sqmm Solid / Stranded Conductors																	
Protection	IP XX with Open Contacts, IP 4X with Protective Cover IP 43 with Aluminum Enclosure IP 65 with Aluminum Enclosure incorporating Seals																	
Operating Force	600 Grams to 1200 Grams																	
Housing	Aluminum Pressure Die Casting																	
Application	Injection Moulding Machines, Hoists & Cranes. Machine Tools, Textile Machines and SPM's																	

SPARES

CONTACT BLOCK	COMPLETE BOX	OPERATING HEAD	OPERATING LEVER
PC 600	PC 601BH	PC 600NLR	PC 700L1
PC 600N	PC 605BH	PC 600SLR	PC 700L2
PC 600NE	PC 607BH	PC 600ALR	PC 700LA
PC 600NOL	PC 609BH	PC 600AR	PC 700LF & PC 700LFO

Add suffix before B "N" for Normal action contacts, "NE" for Extended stroke contacts, "NE" for Overlapping contacts

PC 700 SERIES LIMIT SWITCHES

SALIENT FEATURES

PC 700 Series limit switches with "Set Back" head design and with Shorter, Stronger mounting screws to provide greater structural rigidity between the operating head and the switch. The Aluminium pressure die cast enclosure adds to the strength and this range is able to handle higher operating force.

PC 700 Series Limit Switches are completely oil tight, water tight and dust proof, with a shaft seal between the lever and the head. Internal seal between the head and the enclosure and an external seal between the cover and the body.

The Contact structure has solid thermoplastic barriers between terminals to prevent short circuiting. Terminals have ample wiring space for easier wiring and are serrated to give a firm grip to the straight wire. The complete unit can be removed and replaced without the risk of changing the operating characteristics of the limit switches.

PC 700 Series Limit Switches are available with a variety of operating heads to meet various applications. Rotary Lever and Fork lever operating heads may be used on maintained type contacts.

The Application area coverage of 700 Series Limit switches are Injection Moulding Machines, Hoists & Cranes. Machine Tools, Textile Machines and Conveyors.

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 701	Top Plunger (Push button Adjustable) Spring Return	Snap Action INO+INC			
PC 702	Top Push Roller Spring Return	Snap Action INO+INC			
PC 703	Side Plunger (Push Button Adjustable) Spring Return	Snap Action INO+INC			
PC 704	Side Push Roller Spring Return	Snap Action INO+INC			

**PC 700 SERIES
LIMIT SWITCHES**

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 705	38 mm Long, Rotating Roller Lever Spring Return	Snap Action	INO+INC			
PC 705M	38 mm Long, Rotating Roller Lever Maintained	Snap Action	INO+INC			
PC 706/1	Nylon Cat Whisker Spring Return	Snap Action	INO+INC			
PC 706/2	Steel Cat Whisker Spring Return	Snap Action	INO+INC			
PC 706/2M	Steel Cat Whisker Maintained	Snap Action	INO+INC			
PC 707/1	Fork Type Inline Roller Lever Spring Return	Snap Action	INO+INC			
PC 707/1M	Fork Type Inline Roller Lever Maintained	Snap Action	INO+INC			

**PC 700 SERIES
LIMIT SWITCHES**

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 707/2	Fork Type Offset Roller Lever Spring Return	Snap Action	INO+INC			
PC 707/2M	Fork Type Offset Roller Lever Maintained	Snap Action	INO+INC			
PC 708	76mm Long Rotating Roller Lever Spring Return	Snap Action	INO+INC			
PC 708M	76mm Long Long Roller Lever Maintained	Snap Action	INO+INC			
PC 709	Rotating Adjustable Roller Lever (32mm-82.5mm) Spring Return	Snap Action	INO+INC			
PC 709M	Rotating Adjustable Roller Lever (32mm-82.5mm) Maintained	Snap Action	INO+INC			

TECHNICAL DATA AS PER STANDARD IEC 60947-5-1 OF 1997

Technical Data	PC 700 Series Limit Switches								
Design	11 Types of Operating Heads								
Contact Combination	1NO+1NC, Single Pole, Double Throw, Double Break								
Mechanism	Snap Action								
Current & Voltage Rating	10A, 600V AC, 250V DC								
Utilization Category	AC15 and DC 13 as per IEC 60947-5-1 of 1997								
Thermal Current (I _{th})	10A								
Insulation Voltage	600V AC, 250V DC								
AC 15 Rating	6A at 120V, 3A at 240V, 1.5A at 480V, 1.2A at 6000V								
DC 13 Rating	0.5A at 125V, 0.3A at 250V								
Frequency of Operation	2500 operations per hour								
Mechanical Life	20 x 10 ⁵ Operations								
Cable Entry	3/4" UNF - 1 No.								
Terminal Capacity	2.5 Sqmm Solid / Stranded								
Protection	IP 65 for all 700 Series								
Housing	Aluminium Pressure Die Casting								
Operating Force	<table border="1"> <tr> <td>0.285 Kg.</td> <td>PC 706/1</td> </tr> <tr> <td>0.500 Kg.</td> <td>PC 705M, PC 707/2M, PC 708M, PC 709M, PC 706/2M</td> </tr> <tr> <td>1.000 Kg.</td> <td>PC 705, PC 706/2, PC 707/1, PC 707/2, PC 708, PC 709</td> </tr> <tr> <td>2.000 Kg.</td> <td>PC 701, PC 702, PC 703, PC 704</td> </tr> </table>	0.285 Kg.	PC 706/1	0.500 Kg.	PC 705M, PC 707/2M, PC 708M, PC 709M, PC 706/2M	1.000 Kg.	PC 705, PC 706/2, PC 707/1, PC 707/2, PC 708, PC 709	2.000 Kg.	PC 701, PC 702, PC 703, PC 704
0.285 Kg.	PC 706/1								
0.500 Kg.	PC 705M, PC 707/2M, PC 708M, PC 709M, PC 706/2M								
1.000 Kg.	PC 705, PC 706/2, PC 707/1, PC 707/2, PC 708, PC 709								
2.000 Kg.	PC 701, PC 702, PC 703, PC 704								
Application	Injection Moulding Machines, Hoists & Cranes. Machine Tools, Textile Machines and Conveyers.								

PC 900 SERIES LIMIT SWITCHES

SALIENT FEATURES

- PC 900** Series limit switches are designed to having 34mm width, Heavy Duty Range in Aluminium Pressure die cast enclosures.
- PC 900** Series Limit switches are available in Two type of contact element are 1NO+2NC and 2NO+1NC with 3 sets of contacts.
- PC 900** Series Limit Switches Enclosure and actuator assembly are interchangeable for Models PC 901N-1A, PC 901N-3A and PC901N-7A.
- PC 900** Series Limit Switch Operating Heads are Normal Roller Lever, Angular Roller Lever and Heavy duty Horizontal Roller.
- PC 900** Series Limit Switches offers a variety of Degree of Protection from IPXX to IP 65.

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM& DEGREE)	EXECUTION
PC 901N	Only Push Rod Operated, No Aluminium Housing	Normal Action	1 NO + 2 NC		
PC 901 NOL		Over Lapping	1 NO + 2 NC		
PC 902 N	Only Push Rod Operated, No Aluminium Housing	Normal Action	2 NO + 1 NC		
PC 902NOL		Over Lapping	2 NO + 1 NC		
PC 901N-1A	Complete in Die Cast Aluminium Housing	Normal Action	1 NO + 2 NC		
PC 901 N-1AOL		Over Lapping	1 NO + 2 NC		
PC 902N-1A		Normal Action	2 NO + 1 NC		
PC 902N-1AOL	Over Lapping	2 NO + 1 NC			

PC 900 SERIES LIMIT SWITCHES

PC CODE	DESIGN	CONTACT DETAILS	WIRING DIAGRAM	TRAVEL (MM& DEGREE)	EXECUTION
PC 901N-3A	Complete in Die Cast Aluminium Housing With Normal Roller Lever Actuator	Normal Action	1 NO + 2 NC		
PC 901N-3AOL		Over Lapping	1 NO + 2 NC		
PC 902N-3A		Normal Action	2 NO + 1 NC		
PC 902N-3AOL		Over Lapping	2 NO + 1 NC		
PC 901N-7A	Angular Roller Lever Actuator IP43	Normal Action	1 NO + 2 NC		
PC 901N-7AOL		Over Lapping	1 NO + 2 NC		
PC 902N-7A	Angular Roller Lever Actuator IP43	Normal Action	2 NO + 1 NC		
PC 902N-7AOL	Over Lapping	2 NO + 1 NC			
PC 901N-10A	Complete in Die Cast Aluminium Housing with Horizontal Roller Actuator (Heavy Duty)	Normal Action	1 NO + 2 NC		
PC 901N-10AOL		Over Lapping	1 NO + 2 NC		
PC 902N-10A		Normal Action	2 NO + 1 NC		
PC 902N-10AOL		Over Lapping	2 NO + 1 NC		

SPARES

CONTACT BLOCK CODE NO.	COMPLETE BOX CODE NO.	OPERATING HEAD CODE NO.
PC 901N	PC 901NB	PC 600NLR (Normal Roller Lever)
PC 902N	PC 902NB	
PC 901NOL	PC 901NOLB	PC 600ALR (Angular Roller Lever)
PC 902NOL	PC 902NOLB	

PC 900 SERIES LIMIT SWITCHES

TECHNICAL DATA AS PER STANDARD IEC 60947-5-1 OF 1997

TECHNICAL DATA	PC 900 SERIES LIMIT SWITCHES				
Design	4 Types of Operating Heads				
Contact Combination	1 NO+2NC, 2NO+1NC				
Mechanism	Normal Action or Overlapping				
Current & Voltage Rating	10A, 500V AC				
Thermal Current (Ith)	10A				
Permissible Ambient Temperature	40 Degree C to 85 Degree C				
Frequency of Operation	6000 Cycles per hour				
Mechanical Life	15 Million Operations				
Contact Life AC	Breaking Current Amps.	1	3	6	10
	Switching Cycles in Million	15	25	5	1
Making and Breaking capacity	AC 15 Duty ie 40-60 HZ, P.F. of 0.3 log to 1				
	Operating Voltage V	Rated Operating Current (Ie) Amps Normal Action	Rated Making Capacity (Amp) Normal Action	Rated Breaking Capacity (Amp) Normal Action	
	24	6	90	60	
	120	6	90	60	
	240	6	90	60	
	380	6	90	60	
	480	4	90	60	
500	4	90	60		
Cable Entry	½" BSP & M20 x 1.5				
Terminal Capacity	2.5 Sqmm Solid / Stranded Conductors				
Protection	IP XX with Open Contacts IP 4X with Protective Cover IP 43 with Aluminum Enclosure				
Operating Force	750 Grams to 1000 Grams				
Housing	Aluminum Die Casting				
Application	Injection Moulding Machines, Hoists & Cranes. Machine Tools, Textile Machines and Conveyers.				

PC 1500 SERIES LIMIT SWITCHES

PC 1500 Series Precision Limit Switches available in 16 types are compact, reliable durable and accurate having 1NO+1NC (Single Pole) and 2 No+2NC (Double pole) change over contacts to facilitate selection and application for your specific needs.

SALIENT FEATURES

- Movable contact assembly with two coiled springs provides quick make and quick break action.
- Absence of zero contact pressure ensures not-teasing action even with an extremely slow operation motion.
- Light weight phosphor bronze contact carrier with silver contacts, assure long life on high load applications.
- Silver contacts, definite wiping action and high contact pressure assure reliability on dry circuit applications.
- Phenolic moulded case provides great physical strength, high arc resisting capacity and semi dust proofness.

Push Button Plunger

The oil tight constructed plunger mechanism prevents any ingress of oil including coolant. The position of switch mounting is adjustable with the two lock nuts provided.

Roller Lever

Roller Lever with a steel roller mounted on either top and right hand side or top and left hand side provides operation in both sides.

Roller Plunger

The Similar oil tight constructed roller plunger either inline with the contact block or right angles to it, allows the cam or any other devices to operate in any of the four directions.

Six Inch Lever

Operators provide either top and right hand mounting or top and left hand mounting. The lever may be cut or bent to any desired length or shape to satisfy the user requirements.

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 1500-1A	Only Contact Block without Operator	Snap Action	1NO + 1NC			
PC 1500-2A	Dust Proof	Snap Action	2NO + 2NC			
PC 1501-1A	Top Push Button Operator	Snap Action	1NO + 1NC			
PC 1501-2A	IP 65 From The Top	Snap Action	2NO + 2NC			

**PC 1500 SERIES
LIMIT SWITCHES**

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 1502-1AH	Top Push Roller Operator Horizontal	Snap Action	1NO + 1NC			
PC 1502-2AH	IP 65 From The Top	Snap Action	2NO + 2NC			
PC 1502-1AV	Top Push Roller Operator Vertical	Snap Action	1NO + 1NC			
PC 1502-2AV	IP 65 From The Top	Snap Action	2NO + 2NC			
PC 1503-1AL	Roller Lever Operator Left Hand Mounting	Snap Action	1NO + 1NC			
PC 1503-2AL	IP 4X From The Top	Snap Action	2NO + 2NC			
PC 1503-1AR	Roller Lever Operator Right Hand Mounting	Snap Action	1NO + 1NC			
PC 1503-2AR	IP 4X From The Top	Snap Action	2NO + 2NC			

**PC 1500 SERIES
LIMIT SWITCHES**

PC CODE	DESIGN	CONTACT DETAILS		WIRING DIAGRAM	TRAVEL (MM & DEGREE)	EXECUTION
PC 1504-1AL	Six Inch Lever Operator Left Hand Mounting	Snap Action	1NO + 1NC			
PC 1504-2AL	IP 4X From The Top	Snap Action	2NO + 2NC			
PC 1504-1AR	Six Inch Lever Operator Right Hand Mounting	Snap Action	1NO + 1NC			
PC 1504-2AR	IP 4X From The Top	Snap Action	2NO + 2NC			

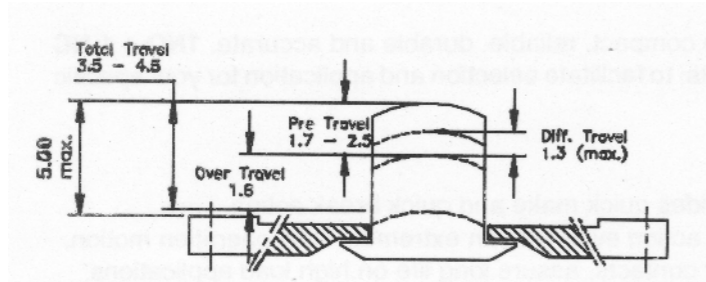
TECHNICAL DATA AS PER STANDARD IEC 60947-5-1 OF 1997

Technical Data	PC 1500 Series Limit Switches
Design	7 Types of Operating Heads
Contact Combination	Single Pole - 1NO+1NC, Double Pole - 2NO+2NC
Mechanism	Snap Action
Electrical Rating	10A, 600 V AC
Utilization Category	AC 15 and DC 13
Frequency of Operation	2500 Operations / hours(Max)
Terminal Capacity	2.5 sq.mm Solid / Stranded Conductors
Electrical Protection	Dust Proof without operator IP 65 from the top for plunger type IP 4X from the top for lever type
Mechanical Life	20 Millions operations without operator & 10 Millions operations with operator
Operating Force	0.400 Kg (min) & 0.600 Kg (max)
Application	Machine Tools with different attachments, contact blocks for foot switches and contact blocks for micro adjustable limit switches

PC 1500 SERIES LIMIT SWITCHES

OPERATIONAL CURRENT & VOLTAGE

AC 15 Rating	Single Pole (1NO + 1NC)	Double Pole (2NO + 2NC)	DC 13 Rating	Single Throw	Double Throw	Single Throw	Double Throw
120 V	6.0 A	4.5 A	125 V	2.2 A	0.5 A	1.1 A	0.2 A
240 V	3.0 A	2.2 A	250 V	1.1 A	0.3 A	0.5 A	0.1 A
480 V	1.5 A	1.2 A	600 V	0.4 A	0.1 A	0.2 A	---
600 V	1.2 A	0.9 A					



The repeat accuracy of individual switch rip point is such that after millions of operations they do not drift more than 0.01mm.

SELECTION CHART

Description	Catalogue Code
1NO + 1NC Contact Block	PC 1500-1A
2NO + 2NC Contact Block	PC 1500-2A
1NO + 1NC Contact Block with Top Push Button Operator	PC 1501-1A
1NO + 1NC Contact Block with Top Push Roller Operator in-Line with Contact Block	PC 1502 - 1AH
1NO + 1NC Contact Block with Top Push Roller Operator at Right angles to Contact Block	PC 1502 - 1AV
1NO + 1NC Contact Block with Roller Lever Operator (Left Hand Mounting)	PC 1503 - 1AL
1NO + 1NC Contact Block with Roller Lever Operator (Right Hand Mounting)	PC 1503 - 1AR
1NO + 1NC Contact Block with 6 inch Lever Operator (Left Hand Mounting)	PC 1504 - 1AL
1NO + 1NC Contact Block with 6 inch Lever Operator (Right Hand Mounting)	PC 1504 - 1AR

SPARES

Operator assembly	Catalogue Code
Top push button Operator	PC 1500 TP
Top Push roller assembled in line with contact block	PC 1500 TRH
Top push roller assembled at right angles to contact block	PC 1500 TRV
Roller lever, right hand mounting	PC 1500 RLR
Roller lever, left hand mounting	PC 1500 RLL
Six inch lever, right hand mounting	PC 1500 LR
Six inch lever, left hand mounting	PC 1500 LL

* For Switches with 2NO + 2NC Contact Block replace with 2A instead of 1A to the Catalogue Code.