CA2000007PL4 200 amp, 600V class, 3 pole Rotary Changeover Switch

The ASI CA2000007PL4 is a 200 amp, 600V class, three pole rotary changeover switch designed for manual power transfer applications in industrial and commercial electrical systems. This panel mount changeover switch is UL and CSA listed and features a 15kA SCCR when protected with appropriate fusing. Built with positive opening double break silver alloy contacts and a robust rotary cam mechanism, the CA2000007PL4 provides reliable and clearly defined switching between two independent power sources such as utility and generator. The switch includes a door-mounted operating handle and plate assembly, allowing safe and convenient operation from the panel exterior while maintaining dependable internal switching performance.

Key Features:

- 200 amp thermal current rating for high current power transfer applications
- 600V class rating suitable for industrial power distribution systems
- Three pole rotary changeover design for three phase applications
- UL and CSA listed to UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- 15kA short circuit current rating with proper upstream protection
- Positive opening double break silver alloy contacts for reliable operation
- Panel door mount design with included handle for safe external operation
- Robust cam switch construction supports long service life

Technical Data IEC 947-3 EN 60947-3			
Rated insulation voltage	Ui	V	690
Rated operating voltage	Ue	V	690
Rated impulse withstand voltage	Uimp	kV	6
Rated thermal current for open switch	Ith	A	200
Rated thermal current for enclosed switch	Ithe	A	160
Rated operation frequency		Hz	50/60
Power dissipation for each pole		W	7
Rated operating current			
AC-21A Switching resistive loads, including moderate overloads	Ie	A	160[5]
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	Ie	A	160
AC-20A Connecting and disconnecting under no loads conditions			-
Rated operating power			
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	230V	Kw (A)	40 (125)
	400V	Kw (A)	59 (106)
	500V	Kw (A)	75 (108)
	690V	Kw(A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase -2 pole	110V	Kw (A)	11 (125)
	230V	Kw (A)	22 (120)
AC-3 Squirrel cage motors: starting, switching off motors during running 3 phase - 3 pole	230V	Kw (A)	30 (95)
	400V	Kw (A)	45 (82)
	500V	Kw (A)	59 (85)
	690V	Kw(A)	-
AC-3 Squirrel cage motors: starting, switching off motors during running 1 phase - 2 pole	110V	Kw (A)	9 (102)
	230V	Kw (A)	15 (82)
	400V	Kw (A)	-
AC-3 Squirrel cage motors: starting, plugging, inching	230V	Kw (A)	-
	400V	Kw (A)	-
AC-15 Control of a. c electromagnetic loads	230V	A	-
	400V	A	-
Rated breaking capability in category AC-23A (cos φ=0,45)	230V	A	1000
	400V	A	848
Short circuit protection			
Rated short time withstand current (1s)	Icw	A	2000
Rated short-circuit make capacity	Icm	A	3000
Rated conditional short-circuit current	-	kA	15
With fuses class gG	500V	A	200

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Technical Data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/-
General use current		Ie	UL/CSA A	240/-
Short circuit rating @ 600V AC			Arms	-
Fuse size (Class RK5, 600V AC, 200kA A.I.C.)			A	-
Rated operating power				
1 phase - 2 pole		120V	Hp (A)	-
		240V	Hp (A)	-
3 phase - 3 pole		200V	Hp (A)	-
		240V	Hp (A)	-
		480V	Hp (A)	-
		600V	Hp (A)	-
Mechanical characteristics				
Mechanical Life			Cycles x 10^6	0,1
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1				
Connection capability	With flexible wires	Min-Max	mm^2	50-70[1]
		Min-Max	AWG	1/0-2/0
	With solid wires	Min-Max	mm^2	16-35
Connection terminal screw dimensions			Type	M10
Screw tightening torque			Nm	23
Protection degree IEC 529 EN 60529				
Terminals			IP	00
Ambient conditions				
Operating ambient temperature			°C	-25 ÷ +55
Storage ambient temperature			°C	-30 ÷ +70
Withstand to constant humid according to IEC 60068				2-78
Withstand to cyclic humid according to IEC 60068				2-30

Notes:
[1]= Terminals for M10 bolts
[5]= at 500V

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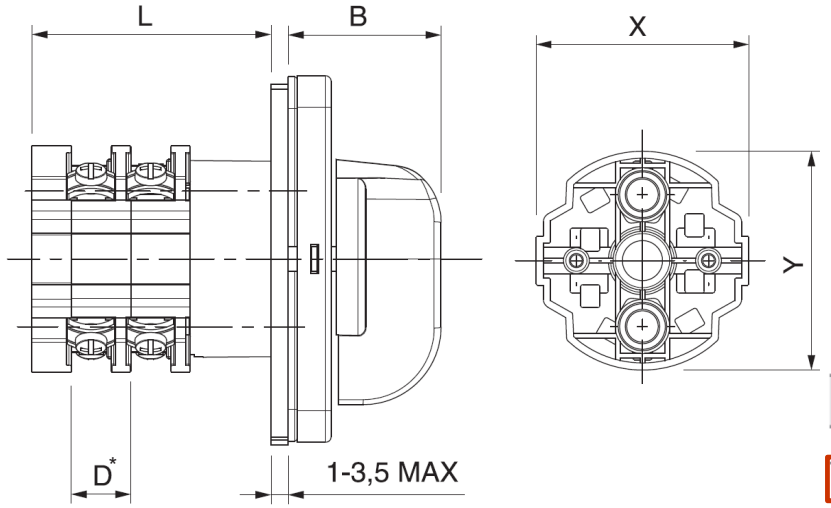
Drawings

Dimensions

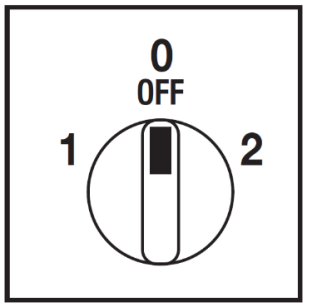


X	Y	D		no. of stages 1	2	3	4	5	6
-	ø 110	39	L	90	129	168	207	246	285
-	ø (4,33")	(1,54")		(3,54")	(5,08")	(6,61")	(8,15")	(9,69")	(11,22")

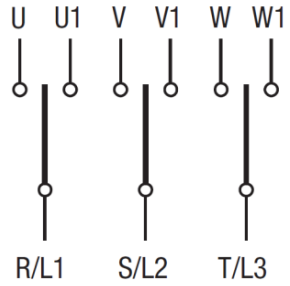
* D – size of the single element

Handle	B
PL3	44 (1,73")
PL4	62 (2,44")
PL5	63 (2,48")
PL9	73 (2,87")
3N3-3L3	44 (1,73")
RL6-RK6	39 (1,54")

Positions

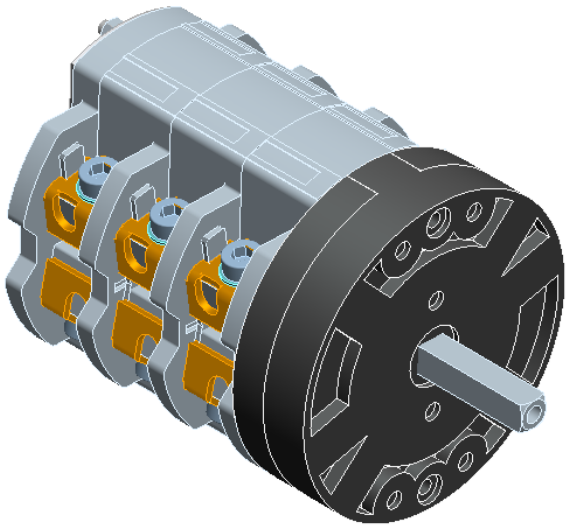


Electrical diagram

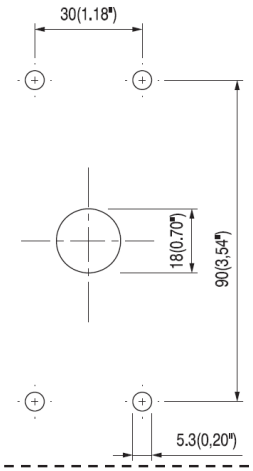


Electrical function

	2		X		X		X					CR	60°
	0											CA	
	1	X		X		X						CQ	
Contact		1	2	3	4	5	6	7	8	9	10	11	12	Angle
Element		1		2		3								



Drilling template



Knob and plates