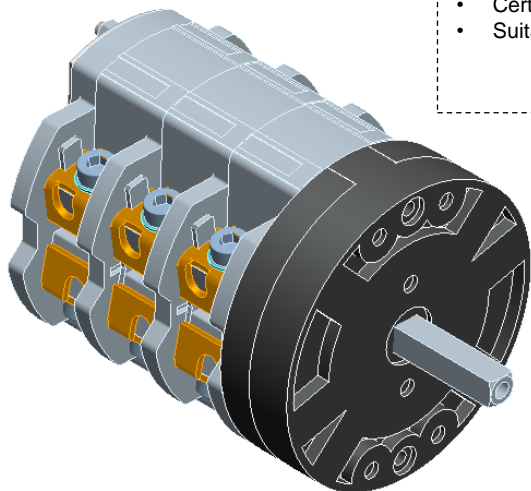


Cod. CA2000007PL4

Standard and Approvals

- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller



(purely indicative picture)



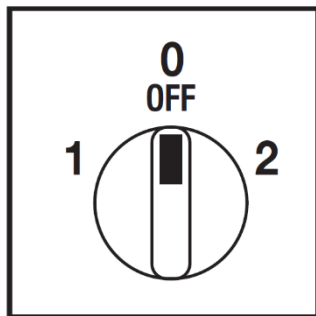
Technical characteristics

- Change-over switch 3 pole
- IP00 Protection degree
- Rated operational current Ie: 160A (AC-21A)
- Rated thermal current Ith: 200A
- Rated insulation voltage Ui: 690V
- Panel mounting
- Switching angle: 60°
- Self-extinguishing thermosetting/thermoplastic class V2 housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, made of silver and alloy

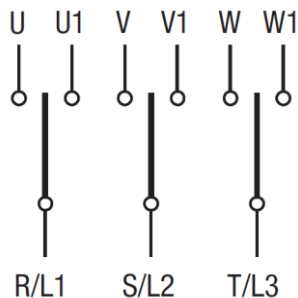
Technical characteristics: Plate and knob

- Transparent plate 130x130mm and black knob
- IP40 Protection degree
- Fixing with 4 screws at 30x90mm

Positions



Electrical diagram



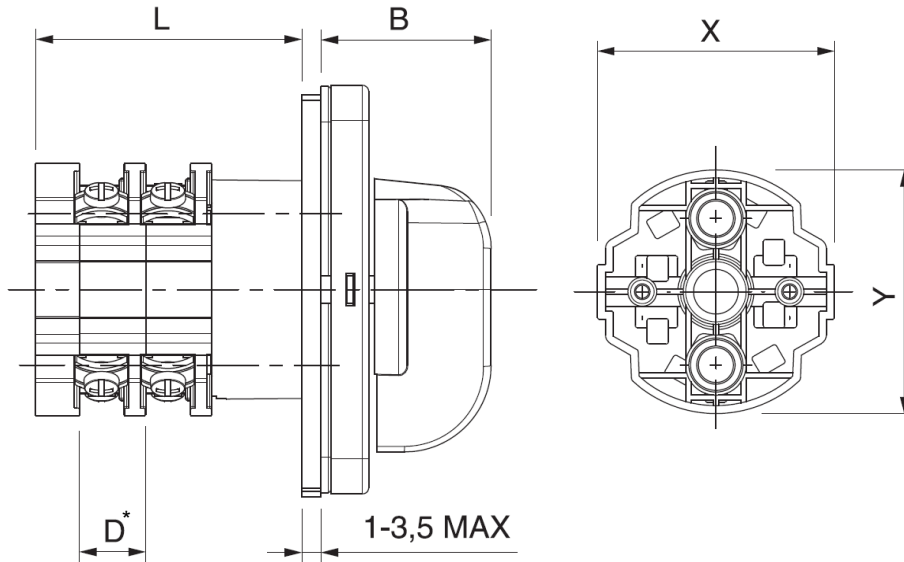
Electrical function

	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										

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Measures in mm (in)

Dimensions

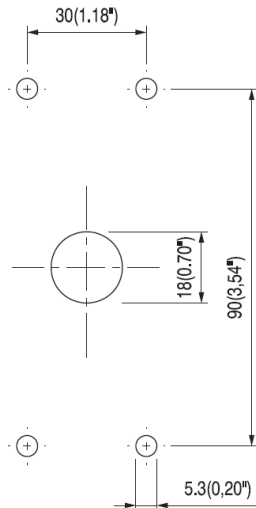


Handle	B
PL3	44 (1,73")
PL4	62 (2,44")
PL5	63 (2,48")
PL9	73 (2,87")
3N3-3L3	44 (1,73")
RL6-RK6	39 (1,54")

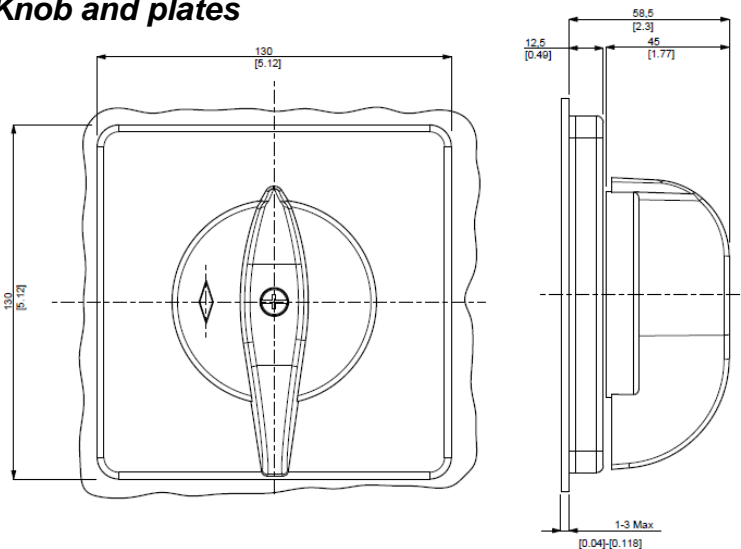
X	Y	D	L	no. of stages					
				1	2	3	4	5	6
-	∅ 110	39		90	129	168	207	246	285
-	∅ (4,33")	(1,54")		(3,54")	(5,08")	(6,61")	(8,15")	(9,69")	(11,22")

* D – size of the single element

Drilling template



Knob and plates



Cod. CA2000007PL4

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	le	A	160 ⁵	
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	le	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-4 Squirrel cage motors: starting, pluggign, inching	230V	Kw (A)	-	
	400V	Kw (A)	-	
AC-15 Control of a.c electromagnetic loads	230V	A	-	
	400V	A	-	
Rated breaking capability in AC-23A (cos φ=0,45)	230V	A	1000	
	400V	A	848	
Short circuit protection				
Rated short time withstand current	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	
Technical data UL/CSA				
Rated operating voltage	Ue	UL/CSA V	600/-	
General use current	le	UL/CSA A	240/-	
Short circuit rating @600Vac		Arms	-	
Fuse size (Class RKS, 600Vac, 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				
Connecting capability	With flexible wires	Min-Max	mm ²	50-70 ¹
		Min-Max	AWG	1/0-2/0
Connection terminal screw dimensions	With solid wires	Min-Max	mm ²	16-35
			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