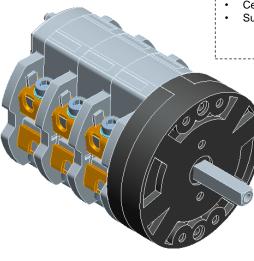


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ISO 9001 Certified Quality System

#### Cod. CA1000004PL4



(purely indicative picture)



#### 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

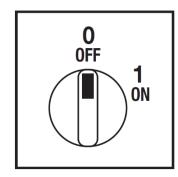
## **Technical characteristics**

- ON-OFF switch 4 pole
- IP00 Protection degree
- Rated operational current le: 115A (AC-21A)
- Rated thermal current Ith: 115A
- 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

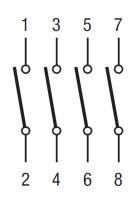
#### Technical characteristics: Plate and knob

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

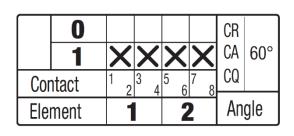
Positions



## Electrical diagram



# Electrical function

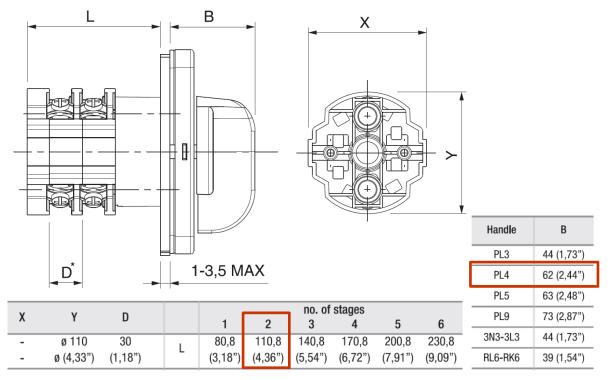


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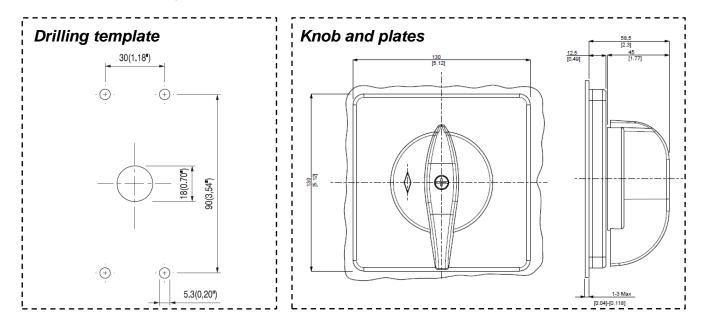
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Measures in mm (in)

### Dimensions



\* D – size of the single element



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Fechnical 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		lth	А	115
Rated thermal current for enclosed switch		Ithe	A	100
Rated operation frequency		itile	Hz	50/60
Power dissipation for each pole			W	4,7
Rated operating current				.,,,
AC-21A Switching resistive loads, including moderate overloads		le	A	115/110 5
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	110/110
AC-20A Connecting and disconnecting under no loads conditions		le	A	110
Rated operating power				-
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	30 (95)
רי באר איינטיווייג טי ווטנטו וטמעז טו טנוובו ווקווץ ווטעננועב וטמטז ג אוומצע " ג אטוב		400V	KW (A) KW (A)	45 ( 85)
		500V	Kw (A)	30 (40)
		690V	KW (A) KW (A)	30 (40)
AC 224 Switching of motor loads or other highly industive loads 1 phase 2 pole		110V		9 (102)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		230V	Kw (A) Kw (A)	15 (82)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	22 (70)
		400V 500V	Kw (A) Kw (A)	37 (67)
				30 (40)
AC 2 Sourced care material charting sufficiency of material during summing 1 above - 2 able		690V	Kw (A)	
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	7,5 (85)
		230V	Kw (A)	11 (60)
		400V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	7,5 (85)
		400V	Kw (A)	11 (20)
AC-15 Control of a.c electromagnetic loads		230V	A	-
		400V	A	-
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	760
		400V	A	680
Short circuit protection				
Rated short time withstand current		lcw	A	1500
Rated short-circuit make capacity		lcm	A	3000
Rated conditional short-circuit current		-	kA	15
Nith fuses class gG		500V	A	125
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	125/100
Short circuit rating @600Vac			Arms	-
use size (Class RK5, 600Vac, 200kA A.I.C.)			A	-
Rated operating power				
L phase - 2 pole		120V	Hp (A)	10 (100)/5
		240V	Hp (A)	15 (68)/12
3 phase - 3 pole		200V	Hp (A)	20 (62,1)/-
		240V	Hp (A)	25 (68)/24
		480V	Hp (A)	40(52)/50
		600V	Hp (A)	50(52)/65
Nechanical characteristics				
Mechanical life			Cycles x 10 <sup>6</sup>	0,3
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1 (Power contacts)				
Connecting capability	With flexible wires	Min-Max	mm²	10-25
		Min-Max	AWG	10-3
	With solid wires	Min-Max	mm²	10-25
Connection terminal screw dimensions			Туре	M8
icrew tightening torque			Nm	2,8
Protection degree IEC 529 EN 60529				
			IP	00
				-
Ambient conditions				
Terminals			°C	-25 ÷ +55
erminals Ambient conditions Dperating ambient temperature			°C °C	-25 ÷ +55 -30 ÷ +70
Terminals Ambient conditions				

Notes: <sup>5</sup> = at 500V

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