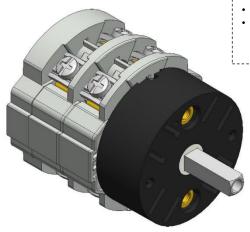


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ISO 9001 Certified Quality System

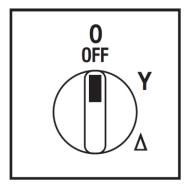
Cod. CA0200010PL2



(Image is purely indicative)



Positions



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



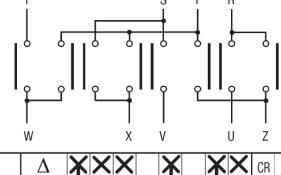
Technical characteristics: Body

- STAR-DELTA starter
- IP00 Protection degree
- Rated operational current le: 20A (AC-21A)
- · Rated thermal current Ith: 25A
- · Rated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

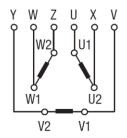
Technical characteristics: Knob

- Transparent plate 75,5x75,5mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP 40 Protection degree

Electrical diagram and function



	Δ	 		X	X		X		X	X	CR	
	Y	>	K			X	X	X	X		CA	60°
	0										CQ	
Cor	ntact	1	2	3 4	5 6	7 8	9 10	11 12	13 14	15 16	Anala	
Eler	Element		1		2		3		4		Angle	

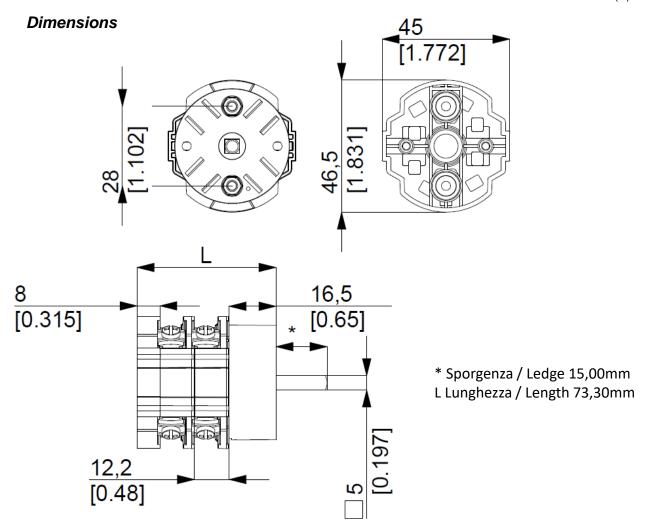


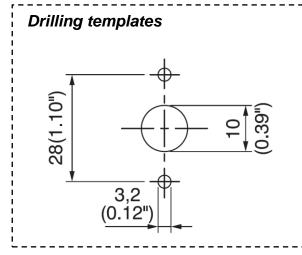
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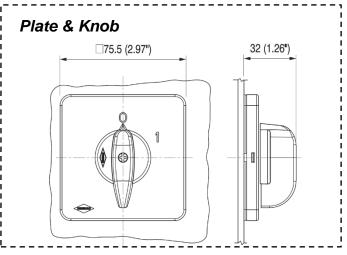
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measures in mm (in)









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echnical data IEC 947-3 EN 60947-3				
ated insulation voltage		Ui	V	690
ated operating voltage		Ue	V	690
ated impulse withstand voltage		Uimp	kV	6
ated thermal current for open switch		Ith	Α	25
ated thermal current for enclosed switch		Ithe	А	25
ated operation frequency			Hz	50/60
ower dissipation for each pole			W	1
ated operating current				•
C-21A Switching resistive loads, including moderate overloads		le	A	20
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	16
C-20A Connecting and disconnecting under no loads conditions				-
ated operating power				•
C-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	9 (16)
		500V	Kw (A)	9 (13)
		690V	Kw (A)	9 (9)
C-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	1,1 (12)
		230V	Kw (A)	3 (17)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	4 (13)
2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		400V	Kw (A)	7,5 (14)
		500V	Kw (A)	7,5 (14)
		690V	Kw (A)	7,5 (8)
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,1 (13)
s o squares eage motors, starting, switching on motors during running 2 prices		230V	Kw (A)	2,2 (12)
		400V	Kw (A)	3,7 (12)
C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	1,5 (4,5)
- 1 Squirrer cage motors, starting, pragging morning		400V	Kw (A)	2,2 (2,6)
C-15 Control of a.c electromagnetic loads		230V	Α	7
2 15 control of all electromagnetic loads		400V	A	5
ated breaking capability in AC-23A (cos φ=0,45)		230V	A	136
accomplete streaming adjusting in Ac 25A (cos φ=0,45)		400V	A	128
hort circuit protection		4001		120
ated short time withstand current		Icw	A	240
ated short-circuit make capacity		Icm	A	1500
ated conditional short-circuit current		-	kA	5
/ith fuses class gG		500V	A	20
echnical data UL/CSA		3001		
ated operating voltage		Ue	UL/CSA V	600/300
eneral use current		le	UL/CSA A	20/16
nort circuit rating @600Vac		ie .	Arms	5000
ise size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
ated operating power				1 00
phase - 2 pole		120V	Hp (A)	1,5 (20)
priase - 2 pole		240V	Hp (A)	3 (17)
phase - 3 pole		200V	нр (A) Нр (A)	5 (16,7)
priose 3 paie		240V	нр (A) Нр (A)	7,5 (22)
		480V	нр (A) Нр (A)	10 (14)
		600V	нр (A) Нр (A)	10 (14)
echanical characteristics		0001	(IV (A)	10 (11)
nel tickness		Max	mm	4
lechanical life		IVIdX	Cycles x 10 ⁶	2
Centricul inc			Cycles X 10	120
onnection according to IEC 9471-1 and EN 50947-1			Cycles/III	120
	With florible wires	Min May	mm²	251 5 4
onnecting capability	With flexible wires	Min-Max	mm²	2x1,5-4
	Martin and the state of the sta	Min-Max	AWG	16-10
and the Associated and the section	With solid wires	Min-Max	mm²	2x1,5-6
onnection terminal screw dimensions			Туре	M3,5
rew tightening torque			Nm	1
rotection degree IEC 529 EN 60529				
erminals			IP	00
nbient conditions			•	
and the second s				-25 ÷ +55
			°C	
perating ambient temperature orage ambient temprature			°C	-30 ÷ +70
				-30 ÷ +70 2-78 2-30

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