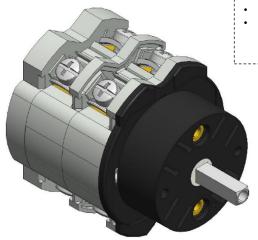


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ISO 9001 Certified Quality System

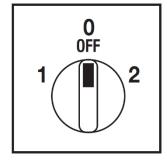
# Cod. CA0400009PL2



(Image is purely indicative)



#### **Positions**



# 2 X X X CR CA 60° 0 X X CR CA 60° 1 X X X X Contact 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 Angle Element 1 2 3 4

# 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



**2V** 

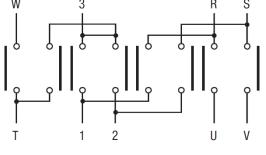
# Technical characteristics: Body

- Changing switch Dahlander pole
- IP00 Protection degree
- Rated operational current le: 40A (AC-21A)
- Rated thermal current Ith:50A
- 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



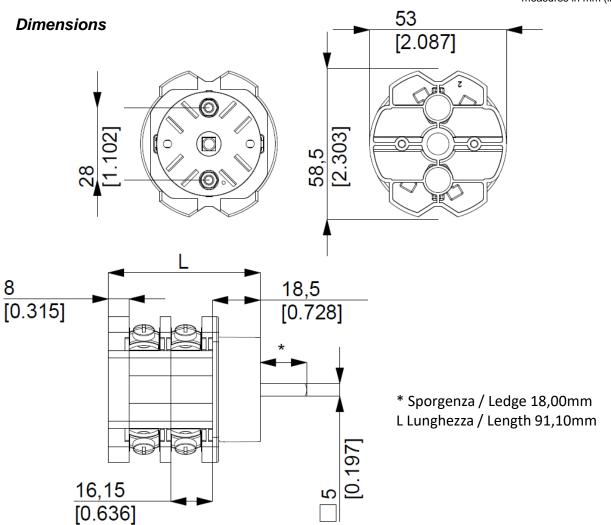


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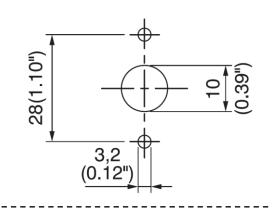
ISO 9001 Certified Quality System

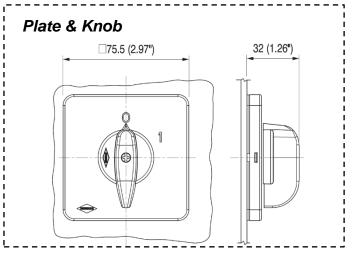
# Cod. CA0400009PL2

measures in mm (in)



# **Drilling templates**





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# Bremas Ersce SpA

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# Cod. CA0400009PL2

echnical data IEC 947-3 EN 60947-3			
ated insulation voltage	l	Ji V	690
ated operating voltage	ι	e V	690
ated impulse withstand voltage	Ui	mp kV	6
ated thermal current for open switch	il i	•	50
ated thermal current for enclosed switch	It		50
ated operation frequency		Hz	
ower dissipation for each pole		W	1,3
ated operating current		**	1,3
C-21A Switching resistive loads, including moderate overloads	ı	e A	40
C-22A Switching of mixed resistive and inductive loads, including moderate overloads			32
	'	e A	- 32
C-20A Connecting and disconnecting under no loads conditions			
ated operating power	22	0)/ //	10 (22)
C-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	23		
		0V Kw (A	
	50	•	
	69	0V Kw (A	
C-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole	11	,	
	23	0V Kw (A	A) 5,5 (30)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	23	0V Kw (A	A) 7,5 (24)
	40	0V Kw (A	A) 15 (27)
	50	0V Kw (A	A) 15 (22)
	69	0V Kw (A	A) 16 (16)
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole	11		
		0V Kw (A	
C-4 Squirrel cage motors: starting, pluggign, inching	23	•	·
		0V Kw (A	
C-15 Control of a.c electromagnetic loads		0V A	10
c-15 Control of a.c electromagnetic loads		OV A	8
ated heading apphility in AC 228 (app. ap.) 45)	23		256
ated breaking capability in AC-23A (cos φ=0,45)			
	40	UV A	240
hort circuit protection			
ated short time withstand current	lo		500
ated short-circuit make capacity	lc		2000
ated conditional short-circuit current		101	10
/ith fuses class gG	50	OV A	50
echnical data UL/CSA			
ated operating voltage	ι		
eneral use current	I	e UL/CSA	A A 40/32
hort circuit rating @600Vac		Arms	s 5000
		A	60
use size (Class RK5, 600Vac, 200kA A.I.C.)			
ated operating power	12	OV Hp (A	3 (34)/2,5
ated operating power			
ated operating power phase - 2 pole	24	0V Hp (A	7,5 (40)/4,5
ated operating power phase - 2 pole	24	0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/-
ated operating power phase - 2 pole	24 20 24	0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/- A) 15 (42)/9,5
ated operating power phase - 2 pole	24 20 24 48	0V Hp (A 0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20
ated operating power phase - 2 pole phase - 3 pole	24 20 24 48	0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20
phase - 3 pole phase - 3 pole phase - 3 pole	24 20 24 48 60	0V Hp (A 0V Hp (A 0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,; A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25
ated operating power phase - 2 pole phase - 3 pole  lechanical characteristics anel tickness	24 20 24 48 60	0V Hp (A	A) 7,5 (40)/4,; A) 10 (32,2)/- A) 15 (42)/9,; A) 20 (27)/20 A) 20 (22)/25
phase - 2 pole  phase - 3 pole  phase in the state of the	24 20 24 48 60	0V Hp (A	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A 4 10 <sup>6</sup> 1,5
echanical characteristics  and tickness echanical life	24 20 24 48 60	0V Hp (A	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A 4 10 <sup>6</sup> 1,5
sted operating power phase - 2 pole  phase - 3 pole  sechanical characteristics anel tickness sechanical life  connection according to IEC 9471-1 and EN 50947-1	24 20 24 48 60 M	0V Hp (A 0V Hc (Cycles x	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/2C A) 20 (22)/25 A 10 <sup>6</sup> 1,5 /hr 120
sted operating power phase - 2 pole  phase - 3 pole  sechanical characteristics anel tickness sechanical life  connection according to IEC 9471-1 and EN 50947-1	24 20 24 48 60 M exible wires Min	0V Hp (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/2( A) 20 (22)/25 A 106 1,5 /hr 120
phase - 2 pole  phase - 3 pole  phase - 3 pole  phase bechanical characteristics  phase bechanical life  percentage of the phase because of the phase because of the phase bechanical life  percentage of the phase because of	24 20 24 48 60 M exible wires Min Min	0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8
phase - 2 pole  phase - 3 pole  phase - 3 pole  lechanical characteristics  anel tickness lechanical life  connection according to IEC 9471-1 and EN 50947-1  ponnecting capability  With fi	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V	A) 7,5 (40)/4,; A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25 A 106 1,5 A 120 C 2 2x2,5-10 G 14-8 C 2x2,5-16
phase - 2 pole  phase - 3 pole  phase - 3 pole  lechanical characteristics  anel tickness lechanical life  connection according to IEC 9471-1 and EN 50947-1  ponnecting capability  With fi	24 20 24 48 60 M exible wires Min Min	0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25 A 106 1,5 A 120 2 2x2,5-10 6 14-8 2 2x2,5-16
Acted operating power  phase - 2 pole  phase - 3 pole    International characteristics	24 20 24 48 60 M exible wires Min Min	OV         Hp (A           ax         mm           Cycles x         Cycles x           Cycles y         Max           Max         AWG           Max         mm²	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8 A 2 2x2,5-16
ated operating power phase - 2 pole phase - 3 pole  Itechanical characteristics anel tickness Itechanical life  Connection according to IEC 9471-1 and EN 50947-1 Connecting capability  With fi	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V Hc (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8 A 2 2x2,5-16
Acted operating power  phase - 2 pole  phase - 3 pole  Acted in a control of the	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V Hc (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8 A 2 2x2,5-16
Acted operating power  phase - 2 pole  phase - 3 pole    Connection according to IEC 9471-1 and EN 50947-1	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A 20 (22)
phase - 2 pole  phase - 3 pole	24 20 24 48 60 M exible wires Min Min	OV         Hp (A           ax         mm           Cycles x         Cycles x           Cycles, X         Cycles, X           Max         mm²           Max         mm²           Max         mm²           Nm         IP	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9,1 A) 20 (27)/2C A) 20 (22)/25 A) 4 4 10 <sup>6</sup> 1,5 Ahr 120 2 2x2,5-10 6 14-8 2 2x2,5-16 9 M4 1,2
seted operating power phase - 2 pole  phase - 3 pole  sechanical characteristics anel tickness sechanical life  connection according to IEC 9471-1 and EN 50947-1  connecting capability  With fill  With section according to remain a screw dimensions connection degree IEC 529 EN 60529  erminals  mbient conditions perating ambient temperature	24 20 24 48 60 M exible wires Min Min	0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/26 A) 20 (22)/25 A) 4 A 106 1,5 Ahr 120  2 2x2,5-10 B 14-8 2 2x2,5-16 B M4 1,2  00  -25 ÷ +55
phase - 2 pole  phase - 3 pole	24 20 24 48 60 M exible wires Min Min	OV         Hp (A           ax         mm           Cycles x         Cycles x           Cycles, X         Cycles, X           Max         mm²           Max         mm²           Max         mm²           Nm         IP	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/26 A) 20 (22)/25 A) 20 (22)/25 A 120 4 A 120 5 A 140 120 A 140 120 A 140 120 A 140 140 140 140 A 140 140 140 140 140 140 140 140 140 140

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