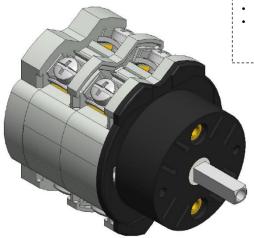
Via castellazzo 9 - 20040 Cambiago (MI)
Tel +39 02 95651611 Fax +39 02 95651639
www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

Cod. CA0320004PL2



(Image is purely indicative)



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



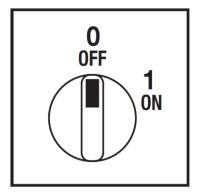
Technical characteristics: Body

- ON-OFF swtch 4 pole
- IP00 Protection degree
- Rated operational current le: 32A (AC-21A)
- · Rated thermal current Ith: 40A
- · 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.

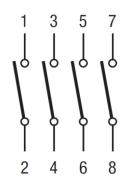
Technical characteristics: Knob

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

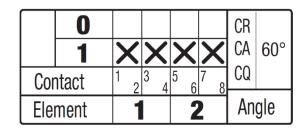
Positions



Electrical diagram



Electrical function



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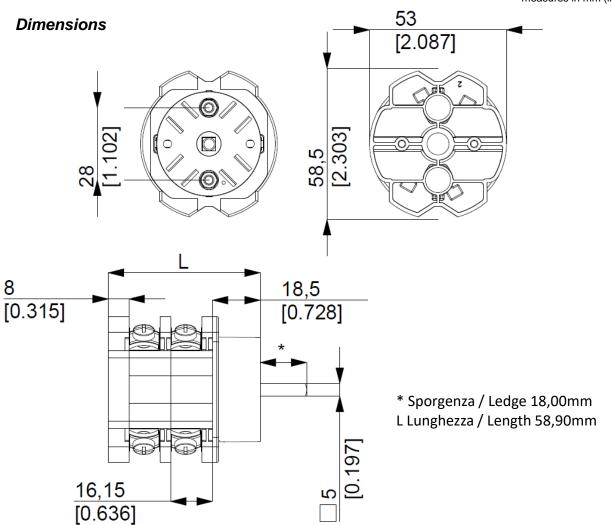
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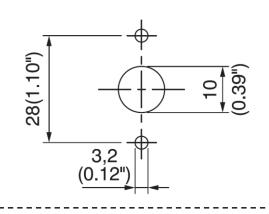
info@bremas.it

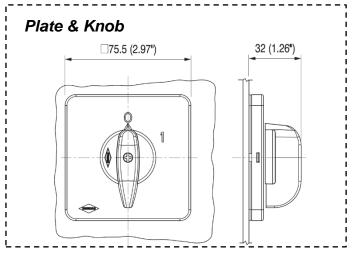
Cod. CA0320004PL2

measures in mm (in)



Drilling templates





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ISO 9001 Certified Quality System

Cod. CA0320004PL2

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	А	40
ated thermal current for enclosed switch		Ithe	A	40
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	32
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	Α	25
C-20A Connecting and disconnecting under no loads conditions				-
ated operating power				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	8,5 (27)
		400V	Kw (A)	15 (27)
		500V	Kw (A)	15 (22)
		690V	Kw (A)	15 (16)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	3,7 (20)
		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	10 (17)
		500V	Kw (A)	10 (17)
		690V	Kw (A)	10 (14)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,5 (17)
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	3 (17)
		400V	Kw (A)	-
		230V	Kw (A)	2,2 (17)
		400V	Kw (A)	3 (5,5)
C-15 Control of a.c electromagnetic loads		230V	Α	8
2 13 Control of the electromagnetic loads		400V	A	6
ated breaking capability in AC-23A (cos φ=0,45)		230V	A A	216
ited breaking capability in AC 25A (cos ψ=0,45)		400V	A A	216
nort circuit protection		1001		
ated short time withstand current		Icw	A	400
ated short-circuit make capacity		Icm	A	2000
ated conditional short-circuit current		-	kA	10
ith fuses class gG		500V	A	35
echnical data UL/CSA		3001		
ated operating voltage		Ue	UL/CSA V	600/600
eneral use current		le	UL/CSA A	35/25
nort circuit rating @600Vac			Arms	5000
ise size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
ated operating power				
nea operating power			(4)	2 (24)
phase - 2 noie		120V	Hn (A)	
phase - 2 pole		120V	Hp (A)	
		240V	Hp (A)	3 (17)
		240V 200V	Нр (A) Нр (A)	3 (17) 5 (17,5)
		240V 200V 240V	Hp (A) Hp (A) Hp (A)	3 (17) 5 (17,5) 7,5 (22)
		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A)	3 (17) 5 (17,5) 7,5 (22) 10 (14)
ohase - 3 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A)	3 (17) 5 (17,5) 7,5 (22)
phase - 2 pole phase - 3 pole lechanical characteristics and tickness		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A)	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
phase - 3 pole lechanical characteristics anel tickness		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
echanical characteristics inel tickness		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5
echanical characteristics nel tickness echanical life		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
echanical characteristics nel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1	With fleyihla wiras	240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120
echanical characteristics nel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm ² AWG	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8
chase - 3 pole chanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability	With flexible wires With solid wires	240V 200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm²	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16
echanical characteristics mel tickness echanical life mnection according to IEC 9471-1 and EN 50947-1 mnecting capability mnection terminal screw dimensions		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
echanical characteristics mel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions rew tightening torque		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm²	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16
echanical characteristics inel tickness echanical life omeetion according to IEC 9471-1 and EN 50947-1 omeeting capability omeeting capability omeeting to rque otection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
phase - 3 pole Sechanical characteristics		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
echanical characteristics mel tickness echanical life mection according to IEC 9471-1 and EN 50947-1 mnecting capability mnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals mbient conditions		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
echanical characteristics mel tickness echanical life mection according to IEC 9471-1 and EN 50947-1 mecting capability meeting capability meeting torque otection degree IEC 529 EN 60529 rminals mbient conditions perating ambient temperature		240V 200V 240V 480V 600V Max Min-Max	Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
echanical characteristics mel tickness echanical life mnection according to IEC 9471-1 and EN 50947-1 mnecting capability mnecting capability mnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7

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