

 Bremas Ersce SpA

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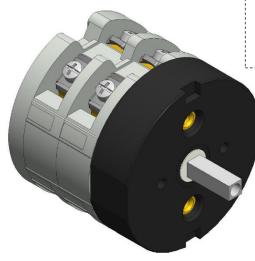
 Fax +39 02 95651639

 www.bremas.eu

 info@bremas.it

ISO 9001 Certified Quality System

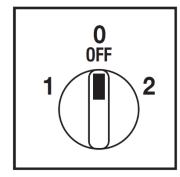
Cod. CA0500008PL3



(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

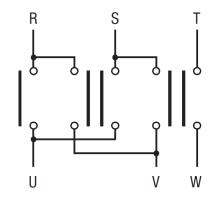
Technical characteristics: Body

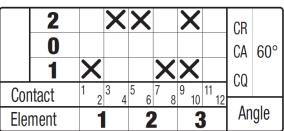
- Reversing switch 3 pole
- IP00 Protection degree
- Rated operational current le: 50A (AC-21A)
- Rated thermal current Ith: 63A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 40mm vertical
- Switching angle: 60°
- · Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

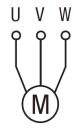
Technical characteristics: Knob

- Transparent plate 105x105mm and black knob
- · Fixing with 2 screws at 40mm vertical
- IP 40 Protection degree

Electrical diagram and function







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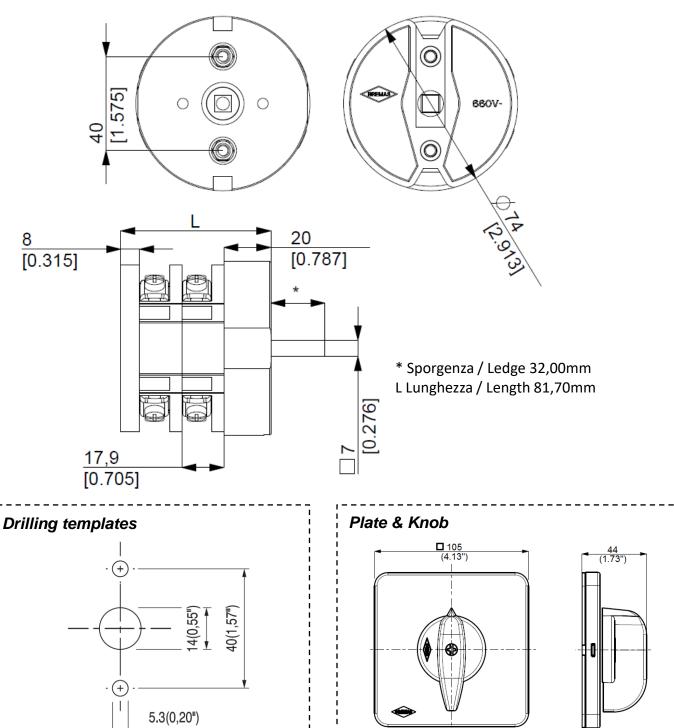
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measures in mm (in)

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Dimensions



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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	63
Rated thermal current for enclosed switch		Ithe	A	63
Rated operation frequency			Hz	50/60
Power dissipation for each pole			w	1,5
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	A	50
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	40
AC-20A Connecting and disconnecting under no loads conditions				-
Rated operating power				-
		230V	Kw (A)	11 (35)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		400V		22 (40)
			Kw (A) Kw (A)	22 (40)
			KW (A)	22 (32)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole	110V	Kw (A)	3 (36)	
		230V		
			Kw (A)	6,5 (36)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	230V	Kw (A)	10 (35)	
	400V	Kw (A)	17,5 (32)	
	500V	Kw (A)	17,5 (27)	
C 2 Guireal case matery: starting surfiching off matery during running 1 phase 2 pale		690V	Kw (A)	18,5 (21)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	2,6 (32)
	230V	Kw (A)	5,5 (30)	
	400V	Kw (A)	-	
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	3,2 (11)
		400V	Kw (A)	6 (11)
AC-15 Control of a.c electromagnetic loads		230V	A .	-
		400V	A .	-
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	330
		400V	A	330
Short circuit protection				500
Rated short time withstand current		lcw	A .	500
Rated short-circuit make capacity		lcm	A	2000
Rated conditional short-circuit current		-	kA	10
With fuses class gG		500V	A	50
Theonical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/-
General use current		le	UL/CSA A	50/-
Short circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
Rated operating power				
phase - 2 pole		120V	Hp (A)	3 (34)/-
		240V	Hp (A)	7,5 (40)/-
phase - 3 pole		200V	Hp (A)	10 (32,2)/-
		2001	F ()	
		240V	Hp (A)	15 (42)/-
		240V	Hp (A)	15 (42)/-
Mechanical characteristics		240V 480V	Hp (A) Hp (A)	15 (42)/- 20 (27)/-
Mechanical characteristics anel tickness		240V 480V	Hp (A) Hp (A)	15 (42)/- 20 (27)/-
anel tickness		240V 480V 600V	Hp (A) Hp (A) Hp (A)	15 (42)/- 20 (27)/- 25 (27)/-
		240V 480V 600V	Hp (A) Hp (A) Hp (A) mm	15 (42)/- 20 (27)/- 25 (27)/- 4
anel tickness Aechanical life		240V 480V 600V	Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5
anel tickness Aechanical life ionnection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 480V 600V	Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5
anel tickness Aechanical life Connection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 480V 600V Max	Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120
anel tickness Aechanical life onnection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ²	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10
anel tickness Aechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm ² AWG	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8
anel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ²	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16
anel tickness Aechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Connection terminal screw dimensions		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
anel tickness Aechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Connection terminal screw dimensions Corew tightening torque Protection degree IEC 529 EN 60529		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
Panel tickness		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ² AWG mm ² Type Nm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
anel tickness Aechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Connection terminal screw dimensions		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ² AWG mm ² Type Nm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
anel tickness Aechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Crew tightening torque Trotection degree IEC 529 EN 60529 erminals unbient conditions Operating ambient temperature		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ² AWG mm ² Type Nm IP	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 1,7 00
anel tickness Aechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions crew tightening torque Protection degree IEC 529 EN 60529 Ferminals		240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr Cycles/hr mm ² AWG mm ² Type Nm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 00

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