

Via castellazzo 9 - 20040 Cambiago (MI)
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www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

Cod. CR0320003RT6



(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



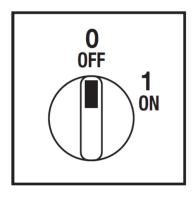
Technical characteristics: Body

- ON-OFF switch 3 pole
- IP20 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
 - 2 screw at 32mm horizontal
- 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.

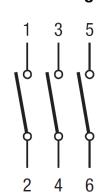
Technical characteristics: Knob

- Grey plate 67x67mm and black knob
- IP66 Protection degree
- Fixing:- 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal

Positions



Electrical diagram



Electrical function

	0					CR	
	1	X	X	X		CA	60°
Cor	Contact		3 4	5 6	7 8	CQ	
Element		1		2		Angle	

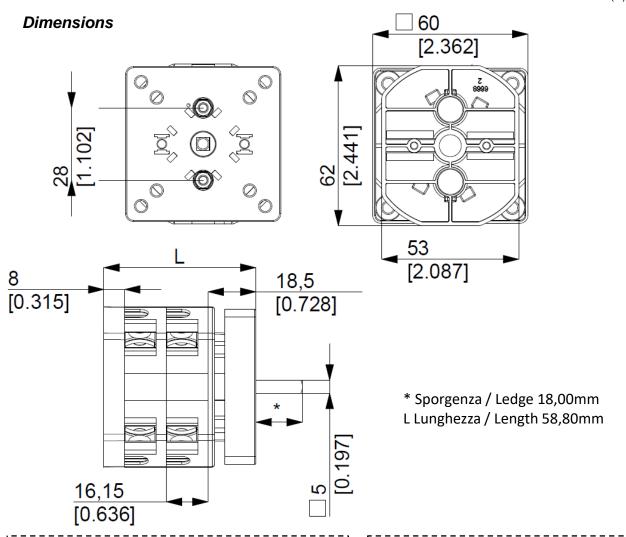
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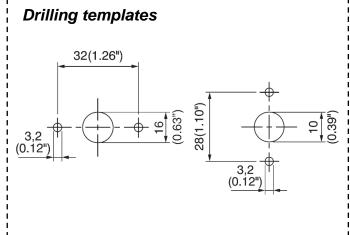
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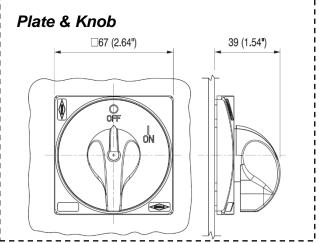
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measures in mm (in)

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echnical data IEC 947-3 EN 60947-3				
ated insulation voltage		Ui	٧	690
ated operating voltage		Ue	V	690
ated impulse withstand voltage		Uimp	kV	6
ated thermal current for open switch		Ith	Α	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	A	25
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)	8,5 (27)
, , , , , , , , , , , , , , , , , , ,		400V	Kw (A)	15 (27)
		500V	Kw (A)	15 (22)
		690V	Kw (A)	15 (16)
2-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
-25A Switching of motor loads of other highly inductive loads 1 phase - 2 pole		230V	Kw (A)	3,7 (20)
2 Squirral case meters: starting switching off meters during running 2 phase 2 pole		230V 230V		
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		400V	Kw (A) Kw (A)	5,5 (17) 10 (17)
		500V	KW (A)	10 (17)
2. Squirral cago motors: starting statishing off motors during supplies 4 phase. 2 pale		690V 110V	Kw (A)	10 (10)
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole			Kw (A)	1,5 (17)
		230V	Kw (A)	3 (17)
		400V	Kw (A)	-
C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	2,2 (17)
		400V	Kw (A)	3 (5,5)
C-15 Control of a.c electromagnetic loads		230V	Α	8
		400V	Α	6
ated breaking capability in AC-23A (cos φ=0,45)		230V	Α	216
		400V	A	216
nort circuit protection				
ated short time withstand current		Icw	A	400
ated short-circuit make capacity		Icm	A	2000
ted conditional short-circuit current		-	kA	10
ith fuses class gG		500V	A	35
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/600
eneral use current		le	UL/CSA A	35/25
			Arms	5000
ort circuit rating @600Vac			Arms A	5000 60
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) Ited operating power				60
oort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power		120V		
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) Ited operating power		120V 240V	А	60
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole			А Нр (А)	2 (24)
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole		240V	A Hp (A) Hp (A)	2 (24) 3 (17)
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole		240V 200V	A Hp (A) Hp (A) Hp (A)	2 (24) 3 (17) 5 (17,5)
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole		240V 200V 240V	A Hp (A) Hp (A) Hp (A) Hp (A)	60 2 (24) 3 (17) 5 (17,5) 7,5 (22)
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power shase - 2 pole shase - 3 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14)
ort circuit rating @600Vac ses size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14)
ort circuit rating @600Vac use size (Class RKS, 600Vac, 200kA A.I.C.) uted operating power phase - 2 pole phase - 3 pole echanical characteristics unel tickness		240V 200V 240V 480V 600V	A Hp (A)	2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
contribution and contents see size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics see the lickness echanical life		240V 200V 240V 480V 600V	A Hp (A)	2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics nel tickness echanical life		240V 200V 240V 480V 600V	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶	2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power chase - 2 pole chase - 3 pole echanical characteristics nel tickness echanical life innection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power chase - 2 pole chase - 3 pole echanical characteristics nel tickness echanical life innection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power chase - 2 pole chase - 3 pole echanical characteristics nel tickness echanical life innection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr Mm ² AWG	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics nel tickness echanical life innection according to IEC 9471-1 and EN 50947-1 innecting capability	With flexible wires With solid wires	240V 200V 240V 480V 600V Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr AWG mm ²	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8 2x2,5-16
ort circuit rating @600Vac ses size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics mel tickness echanical life simection according to IEC 9471-1 and EN 50947-1 phase chanical capability phase chanical characteristics menection according to IEC 9471-1 and EN 50947-1 phase chanical characteristics menection according to IEC 9471-1 and EN 50947-1 phase chanical characteristics menection according to IEC 9471-1 and EN 50947-1 phase chanical characteristics menection according to IEC 9471-1 and EN 50947-1 phase characteristics menection according to IEC 9471-1 and EN 50947-1 phase characteristics menection according to IEC 9471-1 and EN 50947-1 phase characteristics menection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr Mm Mm Cycles x 10 ⁶ Cycles/hr	60 2 (24) 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
ort circuit rating @600Vac ses size (Class RKS, 600Vac, 200kA A.I.C.) Inted operating power phase - 2 pole phase - 3 pole echanical characteristics Intel tickness echanical life Intel tickness echanical life Intel tickness Intel		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr AWG mm ²	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2×2,5-10 14-8 2×2,5-16
nort circuit rating @600Vac use size (Class RKS, 600Vac, 200kA A.I.C.) uted operating power phase - 2 pole phase - 3 pole echanical characteristics unel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnecting capability onnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr MM AWG mm² Type Nm	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 2x2,5-16 M4 1,7
cort circuit rating @600Vac use size (Class RKS, 600Vac, 200kA A.I.C.) used operating power phase - 2 pole phase - 3 pole echanical characteristics used tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 erminals		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr Mm Mm Cycles x 10 ⁶ Cycles/hr	60 2 (24) 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
ort circuit rating @600Vac se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole chanical characteristics nel 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 nbient conditions		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	2 (24) 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
ort circuit rating @600Vac see size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power shase - 2 pole shase - 3 pole chanical characteristics nel 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 nbient conditions perating ambient temperature		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr Mm AWG mm² Type Nm	60 2 (24) 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
ort circuit rating @600Vac see size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics unel tickness echanical life omnection according to IEC 9471-1 and EN 50947-1 omnecting capability omnecting capability omnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 2x2,5-16 M4 1,7

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