

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

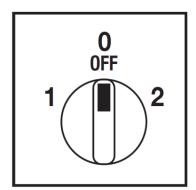
Cod. CR0400008RT6



(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



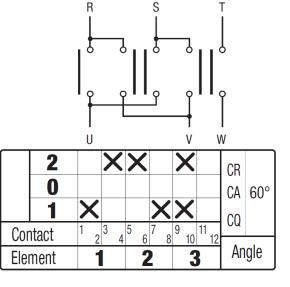
Technical characteristics: Body

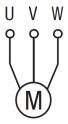
- Reversing switch 3 pole
- IP20 Protection degree
- Rated operational current le: 40A (AC-21A)
- Rated thermal current Ith: 50A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with: 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal
- Switching angle: 60°
- Class V2 self-extinguishing 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

Electrical diagram and function



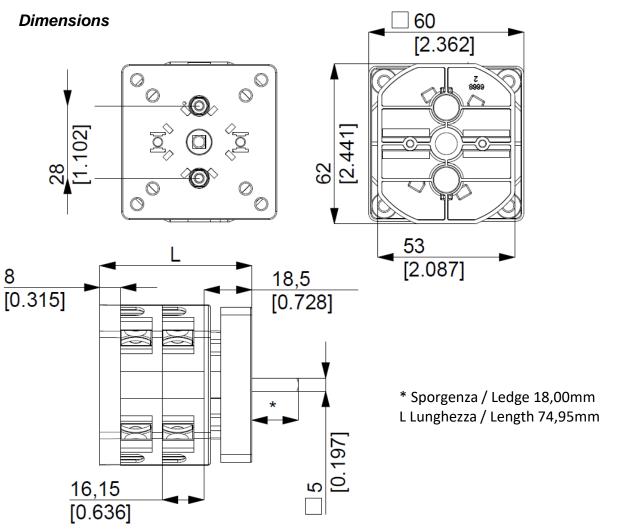


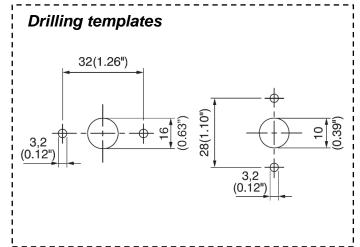
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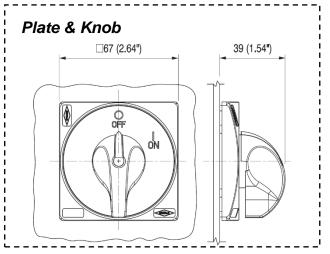
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measures in mm (in)









Bremas Ersce SpA

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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	A	50
ated thermal current for enclosed switch		Ithe	A	50
ated operation frequency			Hz	50/60
ower dissipation for each pole			W	1,3
ated operating current			**	1,3
C-21A Switching resistive loads, including moderate overloads		le	A	40
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A A	32
<u> </u>		ie	A	-
C-20A Connecting and disconnecting under no loads conditions				_
ated operating power		2201/	I/ / A \	40 (22)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	10 (32)
		400V	Kw (A)	18,5 (30)
		500V	Kw (A)	18,5 (27)
AC 224 Cultural and the state of the state o		690V	Kw (A)	18,5 (19)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	110V	Kw (A)	3 (34)	
		230V	Kw (A)	5,5 (30)
	230V	Kw (A)	7,5 (24)	
		400V	Kw (A)	15 (27)
		500V	Kw (A)	15 (22)
		690V	Kw (A)	16 (16)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	4,5 (25)
		400V	Kw (A)	-
		230V	Kw (A)	3 (10)
5 1 544 m c. 1 545 m c. 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1		400V	Kw (A)	5,5 (10)
C-15 Control of a.c electromagnetic loads		230V	Α	10
c-13 Control of a.c electromagnetic loads		400V	A	
and harding condition in AC 22A / con in O AF)				8
ated breaking capability in AC-23A (cos φ=0,45)		230V	Α	256
		400V	A	240
hort circuit protection				
ated short time withstand current		lcw	A	500
ated short-circuit make capacity		lcm	A	2000
ated conditional short-circuit current		-	kA	10
/ith fuses class gG		500V	A	50
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/600
eneral use current		le	UL/CSA A	40/32
			Arms	5000
hort circuit rating @600Vac				
			Α	60
use size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power		120V		
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power		120V 240V	Hp (A)	3 (34)/2,5
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole		240V	Hp (A) Hp (A)	3 (34)/2,5 7,5 (40)/4,
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole		240V 200V	Hp (A) Hp (A) Hp (A)	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/-
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A) Hp (A)	3 (34)/2,5 7,5 (40)/4,1 10 (32,2)/- 15 (42)/9,5
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,5 20 (27)/20
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A) Hp (A)	60 3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole lechanical characteristics		240V 200V 240V 480V 600V	Hp (A)	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9, 20 (27)/20 20 (22)/25
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole lechanical characteristics anel tickness		240V 200V 240V 480V	Hp (A)	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole lechanical characteristics anel tickness		240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/ 15 (42)/9, 20 (27)/20 20 (22)/25 4 1,5
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole sechanical characteristics anel tickness techanical life		240V 200V 240V 480V 600V	Hp (A)	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9, 20 (27)/20 20 (22)/25
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics mel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶ Cycles/hr	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25 4 1,5 120
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole lechanical characteristics anel tickness lechanical life connection according to IEC 9471-1 and EN 50947-1	th flexible wires	240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/ 15 (42)/9, 20 (27)/20 20 (22)/25 4 1,5
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole sechanical characteristics anel tickness sechanical life connection according to IEC 9471-1 and EN 50947-1	th flexible wires	240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶ Cycles/hr	3 (34)/2,5 7,5 (40)/4,: 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25 4 1,5 120
Jase size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power 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 Wii	th flexible wires	240V 200V 240V 480V 600V Max	Hp (A) Cycles x 10 ⁶ Cycles/hr	3 (34)/2,5 7,5 (40)/4,: 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25 4 1,5 120
Ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole Itechanical characteristics anel tickness Itechanical life Demonstrion according to IEC 9471-1 and EN 50947-1 Demonstring capability Wii		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr	3 (34)/2,5 7,5 (40)/4,1 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25 4 1,5 120 2x2,5-10 14-8
Ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole Identification of the content of the cont		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm AWG mm²	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,; 20 (27)/20 20 (22)/25 4 1,5 120 2x2,5-10 14-8 2x2,5-16
Juse size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole Ilechanical characteristics anel tickness Ilechanical life Donnection according to IEC 9471-1 and EN 50947-1 connecting capability With With With Women to the reminal screw dimensions The property of the property of the power of the po		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Mp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
Isse size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole Ichanical characteristics anel tickness Ichanical life Dennection according to IEC 9471-1 and EN 50947-1 ponnecting capability With Jonnection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Mp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,5 20 (27)/20 20 (22)/25 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole dechanical characteristics anel tickness dechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability With with connection terminal screw dimensions crew tightening torque cordection degree IEC 529 EN 60529 derminals		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Mp (A) Mp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9, 20 (27)/2C 20 (22)/25 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,2
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole dechanical characteristics anel tickness dechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability with connection degree IEC 529 EN 60529 germinals mbient conditions		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm Cycles/hr Type Nm	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/ 15 (42)/9,5 20 (27)/20 20 (22)/25 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,2
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole dechanical characteristics anel tickness dechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability with with connection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529 erminals mbient conditions perating ambient temperature		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Mm Cycles x 10 ⁶ Cycles/hr AWG mm² Type Nm IP	3 (34)/2,5 7,5 (40)/4, 10 (32,2)/- 15 (42)/9,5 20 (27)/26 20 (22)/25 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,2 20
Juse size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole Idechanical characteristics		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm Cycles/hr Type Nm	3 (34)/2,5 7,5 (40)/4,1 10 (32,2)/- 15 (42)/9,5 20 (27)/20 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,2

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