

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

ISO 9001 Certified Quality System

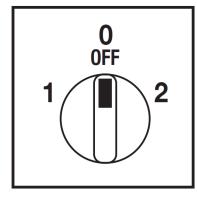
Cod. CR0320009RT6



(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



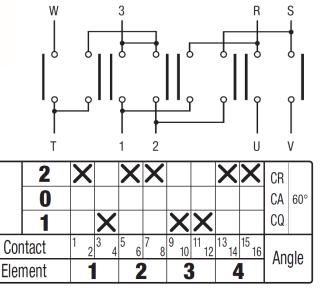
Technical characteristics: Body

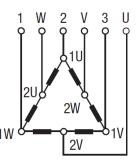
- Changing switch Dahlander pole
- IP20 Protection degree
- Rated operational current le: 32A (AC-21A)
- Rated thermal current Ith: 40A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with: 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal
- Switching angle: 60°
- Class V2 self-extinguishing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

Electrical diagram and function



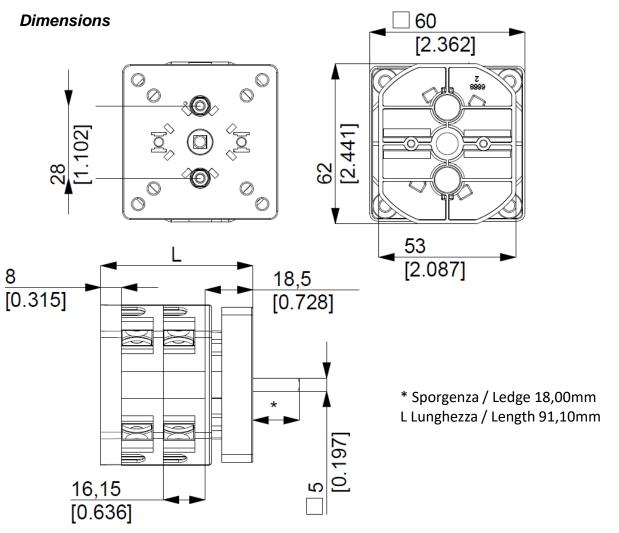


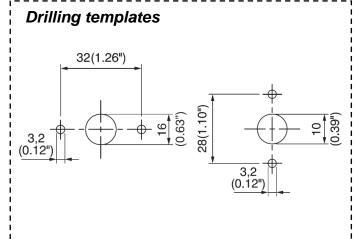
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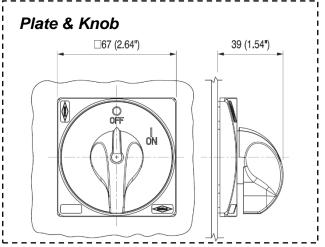
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measures in mm (in)









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	40
•			A A	40
ated thermal current for enclosed switch		Ithe	Hz	
ated operation frequency			W	50/60 1
ower dissipation for each pole			VV	1
ated operating current		lo.	^	22
C-21A Switching resistive loads, including moderate overloads		le le	A	32 25
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		ie	A	- 25
C-20A Connecting and disconnecting under no loads conditions				-
ated operating power		230V	Κw (Δ)	0 = (27)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole			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 AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		110V	Kw (A)	2,2 (25)
		230V	Kw (A)	3,7 (20)
		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	10 (17)
		500V	Kw (A)	10 (14)
		690V	Kw (A)	10 (10)
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	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	Α	216
hort circuit protection				
ated short time withstand current		Icw	A	400
ated short-circuit make capacity		lcm	А	2000
ated conditional short-circuit current		-	kA	10
/ith fuses class gG		500V	Α	35
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/600
eneral use current		le	UL/CSA A	35/25
			,	,
nort circuit rating @600Vac			Arms	5000
nort circuit rating @600Vac			Arms A	5000 60
use size (Class RK5, 600Vac, 200kA A.I.C.)			Arms A	5000 60
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power		120V	Α	60
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power		120V	A Hp (A)	2 (24)
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole		240V	A Hp (A) Hp (A)	60 2 (24) 3 (17)
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole		240V 200V	A Hp (A) Hp (A) Hp (A)	2 (24) 3 (17) 5 (17,5)
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated 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)
ise 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) Hp (A)	2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14)
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole		240V 200V 240V	A Hp (A) Hp (A) Hp (A) Hp (A)	60 2 (24) 3 (17) 5 (17,5) 7,5 (22)
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole sechanical characteristics		240V 200V 240V 480V 600V	A Hp (A)	2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole dechanical characteristics anel tickness		240V 200V 240V 480V	A Hp (A)	2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole dechanical characteristics and tickness		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
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics size (tickness echanical life		240V 200V 240V 480V 600V	A Hp (A)	2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17)
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics senel 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	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics senel tickness echanical life onnection 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
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics senel tickness echanical life onnection 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	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10 14-8
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics inel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting 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	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
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole phase - 3 pole dechanical characteristics anel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions		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	60 2 (24) 3 (17) 5 (17,5) 7,5 (22) 10 (14) 15 (17) 4 1,5 120 2x2,5-10
use size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole phase - 3 pole plechanical characteristics anel tickness lechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions		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 2x2,5-10 14-8 2x2,5-16
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 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	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
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 connection terminal screw dimensions crew tightening torque		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	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
se size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole dechanical characteristics anel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions arew tightening torque retection 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 MM 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
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics sinel 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 mbient 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 MM AWG MM 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
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole sechanical characteristics mel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions crew tightening torque contection degree IEC 529 EN 60529 erminals mbient 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 IP	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
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole phase - 3 pole dechanical characteristics anel tickness anel tickness		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

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