

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

ISO 9001 Certified Quality System

### Cod. CR02000G4BL6



(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



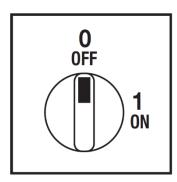
## Technical characteristics: Body

- ON-OFF switch 4 pole with padlockable handle
- IP20 Protection degree
- Rated operational current le: 20A (AC-21A)
- · Rated thermal current Ith: 25A
- · Rated insulation voltage Ui: 690V
- · Base mounting
- Fixing with 2 screw at 28mm vertical or DIN rail
- Switching angle: 90°
- 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.

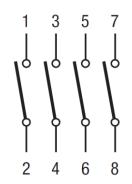
## Technical characteristics: Knob

- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- IP66 Protection degree
- Fixing with 2 screw at 28mm vertical or 2 screw at 36mm horizontal

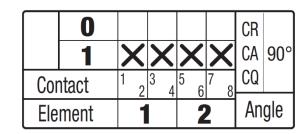
### **Positions**



# Electrical diagram



### Electrical function





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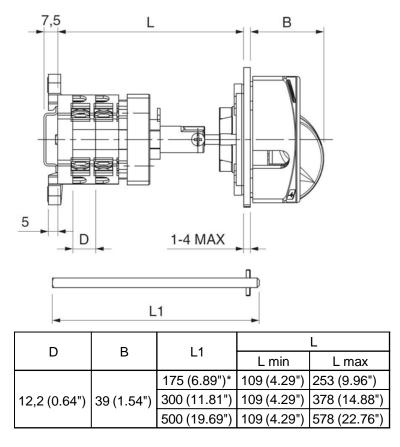
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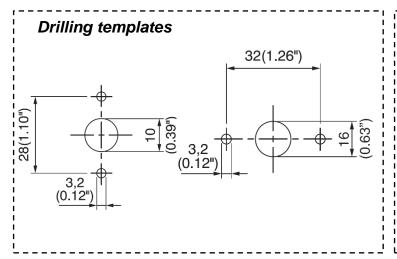
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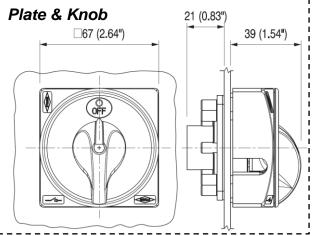
#### **Dimensions**

measures in mm (in)



- L: Overall length (min\*\*/max with shaft mounted (L1)
- \* Standard shaft, supplied in the packaging of the base mounting switches
- \*\* L min can be obtained by cutting shaft







## 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
sted impulse withstand voltage		Uimp	kV	6
		Ith		25
ated thermal current for open switch			A	
ated thermal current for enclosed switch		Ithe	A	25
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	20
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	Α	16
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  AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	9 (16)
		500V	Kw (A)	9 (13)
		690V	Kw (A)	9 (9)
		110V		
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole			Kw (A)	1,1 (5)
		230V	Kw (A)	3 (17)
		230V	Kw (A)	4 (13)
		400V	Kw (A)	7,5 (14)
		500V	Kw (A)	7,5 (11)
		690V	Kw (A)	7,5 (8)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole  AC-4 Squirrel cage motors: starting, pluggign, inching		110V	Kw (A)	1,1 (13)
		230V	Kw (A)	2,2 (12)
		400V	Kw (A)	3,7 (12)
		230V	Kw (A)	1,5 (4,5)
		400V	Kw (A)	2,2 (2,6)
AC-15 Control of a.c electromagnetic loads		230V	A	7
		400V	A	5
ated breaking capability in AC-23A (cos φ=0,45)		230V	A	136
Rated Dreaking Capability in AC-25A (cos φ=0,45)		400V	A A	128
		4000	A	120
nort circuit protection				240
ated short time withstand current		lcw	A	240
ated short-circuit make capacity		lcm	A	1500
ited conditional short-circuit current		-	kA	5
ith fuses class gG		500V	A	20
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/300
eneral use current		le	UL/CSA A	20/16
ort circuit rating @600Vac			Arms	5000
ise size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
ated operating power				
phase - 2 pole		120V	Hp (A)	1,5 (20)
pridde 2 poie		240V	Hp (A)	3 (17)
s phase - 3 pole				
		200V	Hp (A)	5 (16,7)
		240V	Hp (A)	7,5 (22)
		480V	Hp (A)	10 (14)
		600V	Hp (A)	10 (11)
echanical characteristics				
nel tickness		Max	mm	4
echanical life			Cycles x 10 <sup>6</sup>	2
			Cycles/hr	120
nnection according to IEC 9471-1 and EN 50947-1		Min-Max	mm²	2x1,5-4
	With flexible wires			16-10
	With flexible wires	Min-May		
		Min-Max	AWG	
nnecting capability	With flexible wires  With solid wires	Min-Max Min-Max	mm²	
nnecting capability  nnection terminal screw dimensions			mm² Type	M3,5
onnecting capability  onnection terminal screw dimensions rew tightening torque			mm²	
onnecting capability  onnection terminal screw dimensions rew tightening torque			mm² Type	M3,5
nnecting capability  nnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529			mm² Type	M3,5
nnecting capability  nnection terminal screw dimensions rew tightening torque  otection degree IEC 529 EN 60529 rminals			mm² Type Nm	M3,5 1
nnecting capability  nnection terminal screw dimensions rew tightening torque  otection degree IEC 529 EN 60529  rminals nbient conditions			mm² Type Nm	M3,5 1
onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals moient conditions perating ambient temperature orgae ambient temperature			mm² Type Nm IP	20 -25 ÷ +55
nnecting capability  nnection terminal screw dimensions rew tightening torque  otection degree IEC 529 EN 60529  rminals nbient conditions			mm² Type Nm	M3,5 1

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