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ISO 9001 Certified Quality System

#### Cod. CR0250003RT6



(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



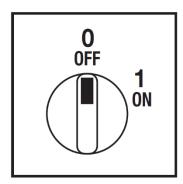
# Technical characteristics: Body

- ON-OFF switch 3 pole
- IP20 Protection degree
- Rated operational current le: 25A (AC-21A)
- Rated thermal current Ith: 32A
- · Rated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 28mm 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.

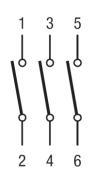
### Technical characteristics: Knob

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

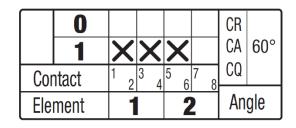
#### **Positions**



### Electrical diagram



## Electrical function

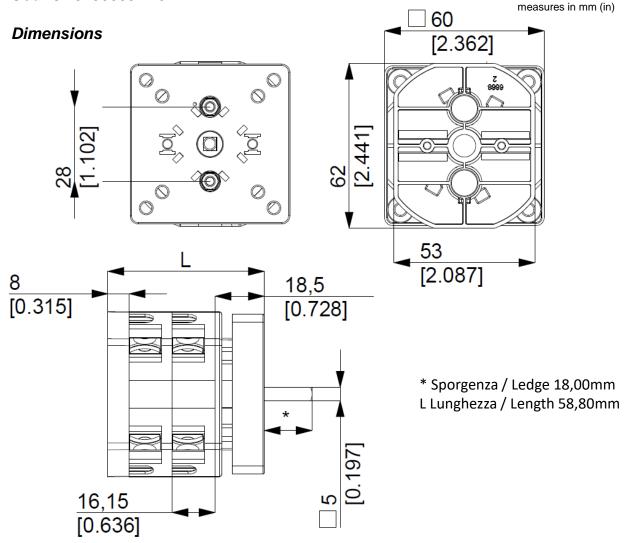


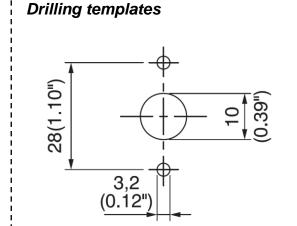


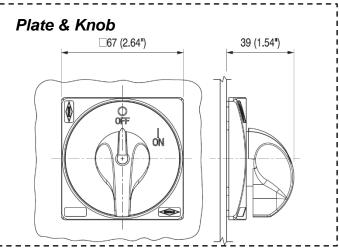
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## Bremas Ersce SpA

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Technical data IEC 947-3 EN 60947-3				500
Rated insulation voltage		Ui	V V	690
Rated operating voltage		Ue	kV	690
Rated impulse withstand voltage		Uimp	A	32
Rated thermal current for open switch Rated thermal current for enclosed switch		Ithe	Α Α	32
		itile	Hz	
Rated operation frequency			W W	50/60
Power dissipation for each pole			vv	1
Rated operating current				25
AC-21A Switching resistive loads, including moderate overloads		le	A	25
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	20
AC-20A Connecting and disconnecting under no loads conditions				-
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	7,5 (24)
		400V	Kw (A)	11 (20)
		500V	Kw (A)	11 (15)
		690V	Kw (A)	11 (11)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
		230V	Kw (A)	3,7 (20)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	9,5 (16)
		500V	Kw (A)	9,5 (12,5)
		690V	Kw (A)	8,5 (10)
AC-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)	-
AC-4 Squirrel cage motors: starting, pluggign, inching AC-15 Control of a.c electromagnetic loads		230V	Kw (A)	2,2 (17)
		400V	Kw (A)	3 (5,5)
		230V	A	8
		400V	A	6
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	192
		400V	A	160
Short circuit protection				
Rated short time withstand current		lcw	A	400
Rated short-circuit make capacity		Icm	A	2000
Rated conditional short-circuit current		-	kA	10
With fuses class gG		500V	A	35
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	25/25
Short circuit rating @600Vac			Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
Rated operating power				
1 phase - 2 pole		120V	Hp (A)	2 (24)/-
		240V	Hp (A)	3 (17)/6
3 phase - 3 pole		200V	Hp (A)	5 (17,5)/-
		240V	Hp (A)	7,5 (22)/-
		480V	Hp (A)	10 (14)/-
		600V	Hp (A)	10 (11)/15
Mechanical characteristics				
Panel thickness		Max	mm	4
Mechanical life		-	Cycles x 10 <sup>6</sup>	1,5
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1		Min-Max	mm <sup>2</sup>	2x2,5-10
Connection according to IEC 9471-1 and EN 50947-1 Connecting capability	With flexible wires			
	With flexible wires	Min-Max	AWG	14-8
	With flexible wires  With solid wires	Min-Max Min-Max		2x2,5-16
Connecting capability			AWG	
Connecting capability  Connection terminal screw dimensions			AWG mm²	2x2,5-16
			AWG mm² Type Nm	2x2,5-16 M4
Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals			AWG mm² Type	2x2,5-16 M4
Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals			AWG mm² Type Nm	2x2,5-16 M4 1,7
Connecting capability  Connection terminal screw dimensions  Screw tightening torque			AWG mm² Type Nm IP	2x2,5-16 M4 1,7
Connecting capability  Connection terminal screw dimensions Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals  Ambient conditions			AWG mm² Type Nm	2x2,5-16 M4 1,7
Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals  Ambient conditions  Operating ambient temperature			AWG mm² Type Nm IP	2x2,5-16 M4 1,7 20