

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. CR0400003RT6



(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



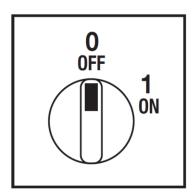
Technical characteristics: Body

- ON-OFF switch 3 pole
- IP20 Protection degree
- Rated operational current le: 40A (AC-21A)
- Rated thermal current lth: 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.

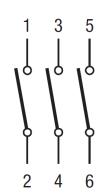
Technical characteristics: Knob

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

Positions



Electrical diagram



Electrical function

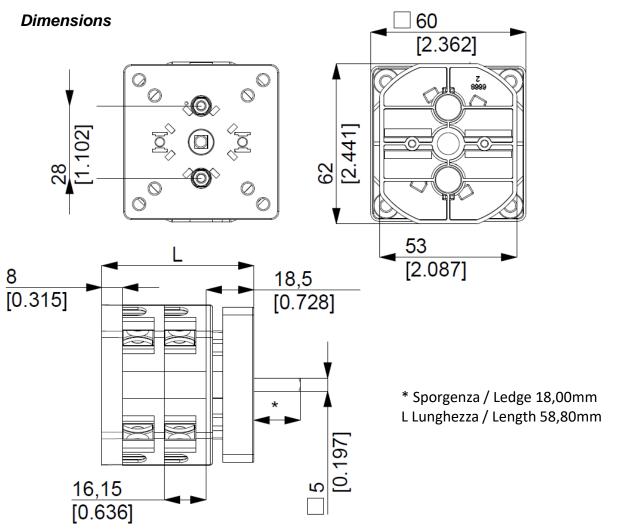
	0					CR	
	1	X	X	X		CA	60°
Contact		1 2	3 4	5 6	7 8	CQ	
Element		1		2		Angle	

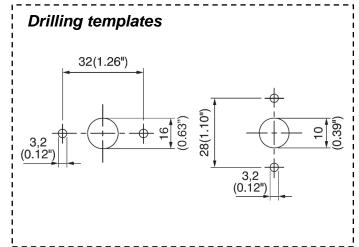
Via castellazzo 9 - 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 info@bremas.it www.bremas.eu

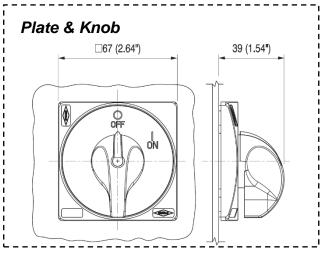
ISO 9001 Certified Quality System

Cod. CR0400003RT6

measures in mm (in)









Bremas Ersce SpA

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. CR0400003RT6

Technical data IEC 947-3 EN 60947-3					
Rated insulation voltage		Ui	V	690	
Rated operating voltage		Ue	V	690	
Rated impulse withstand voltage		Uimp	kV	6	
Rated thermal current for open switch		Ith	Α	50	
Rated thermal current for enclosed switch		Ithe	Α	50	
Rated operation frequency			Hz	50/60	
Power dissipation for each pole			W	1,3	
Rated operating current					
AC-21A Switching resistive loads, including moderate overloads		le	A	40	
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	32	
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 (#					
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		400V	Kw (A)	10 (32) 18,5 (30)	
		500V	Kw (A)	18,5 (27)	
		690V	Kw (A)	18,5 (19)	
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	3 (34)	
AC-25A SWITCHING OF MOTOR loads of other highly inductive loads 1 phase - 2 pole		230V	Kw (A)	5,5 (30)	
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	7,5 (24)	
The Society of the Color State and Society of the Color State		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)	
		230V	Kw (A)	4,5 (25)	
		400V	Kw (A)	-	
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	3 (10)	
		400V	Kw (A)	5,5 (10)	
AC-15 Control of a.c electromagnetic loads		230V	Α	10	
		400V	Α	8	
Rated breaking capability in AC-23A (cos φ=0,45)		230V	Α	256	
		400V	Α	240	
Short circuit protection					
Rated short time withstand current		Icw	A	500	
Rated short-circuit make capacity		Icm	A	2000	
Rated conditional short-circuit current		-	kA	10	
With fuses class gG		500V	A	50	
Technical data UL/CSA			/004.1/	500/500	
Rated operating voltage General use current		Ue le	UL/CSA V UL/CSA A	600/600 40/32	
Short circuit rating @600Vac		ie	Arms	5000	
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			A	60	
Rated operating power					
1 phase - 2 pole		120V	Hp (A)	3 (34)/2,5	
		240V	Hp (A)	7,5 (40)/4,5	
3 phase - 3 pole		200V	Hp (A)	10 (32,2)/-	
		240V	Hp (A)	15 (42)/9,5	
		480V	Hp (A)	20 (27)/20	
		600V	Hp (A)	20 (22)/25	
Mechanical characteristics					
Panel tickness		Max	mm	4	
Mechanical life			Cycles x 10 ⁶	1,5	
			Cycles/hr	120	
Connection according to IEC 9471-1 and EN 50947-1					
Connecting capability	With flexible wires	Min-Max	mm²	2x2,5-10	
		Min-Max	AWG	14-8	
	With solid wires	Min-Max	mm²	2x2,5-16	
Connection terminal screw dimensions			Туре	M4	
Screw tightening torque			Nm	1,2	
Protection degree IEC 529 EN 60529					
Terminals			IP	20	
Ambient conditions					
Operating ambient temperature			°C	-25 ÷ +55	
Storage ambient temprature			°C	-30 ÷ +70	
Withstand to constant humid according to IEC 60068				2-78	
Nithstand to cyclic humid according to IEC 60068				2-30	

© 2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer / user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.