

 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. CR02000G3RL6



(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



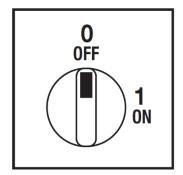
Technical characteristics: Body

- · ON-OFF switch 3 pole 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
- 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.

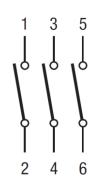
Technical characteristics: Knob

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

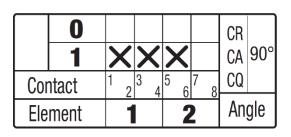
Positions



Electrical diagram



Electrical function



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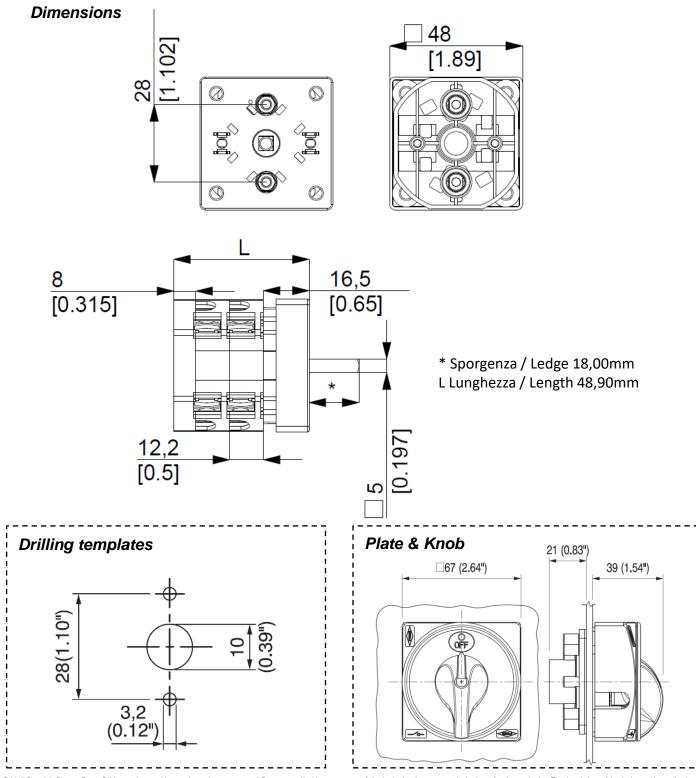
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measures in mm (in)



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Fechnical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	690
ated operating voltage		Ue	V	690
ated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		Ith	A	25
ated thermal current for enclosed switch		Ithe	A	25
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	A	20
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	16
AC-20A Connecting and disconnecting under no loads conditions				-
tated operating power				
C-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	9 (16)
		500V	Kw (A)	9 (13)
		690V	Kw (A)	9 (9)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	1,1 (5)
		230V	Kw (A)	3 (17)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		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		110V	Kw (A)	1,1 (13)
		230V	Kw (A)	2,2 (12)
		400V	Kw (A)	3,7 (12)
AC-4 Squirrel cage motors: starting, pluggign, inching		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
tated breaking capability in AC-23A (cos φ=0,45)		230V	A	136
		400V	А	128
hort circuit protection				
Rated short time withstand current		lcw	A	240
Rated short-circuit make capacity		Icm	A	1500
Rated conditional short-circuit current		-	kA	5
Nith fuses class gG		500V	A	20
Fechnical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/300
General use current		le	UL/CSA A	20/16
hort circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
Rated operating power				
phase - 2 pole		120V	Hp (A)	1,5 (20)
		240V	Hp (A)	3 (17)
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)
Aechanical characteristics				
anel tickness		Max	mm	4
Aechanical life			Cycles x 10 ⁶	2
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1				
Connecting capability	With flexible wires	Min-Max	mm²	2x1,5-4
		Min-Max	AWG	16-10
	With solid wires	Min-Max	mm²	2x1,5-6
ionnection terminal screw dimensions			Туре	M3,5
crew tightening torque			Nm	1
Protection degree IEC 529 EN 60529				
reminals			IP	20
Imbient conditions				
Operating ambient temperature			°C	-25 ÷ +55
			°C	-30 ÷ +70
storage ambient temprature				
itorage ambient temprature Vithstand to constant humid according to IEC 60068				2-78

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