

 Bremas Ersce SpA

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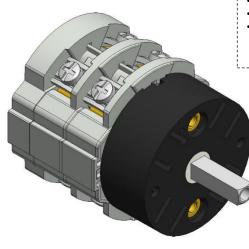
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 www.bremas.eu

 info@bremas.it

ISO 9001 Certified Quality System

Cod. CA04000G4BL6



(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

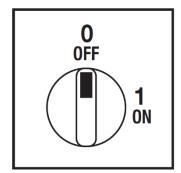
Technical characteristics: Body

- · ON-OFF switch 4 pole with padlockable handle
- IP00 Protection degree
- Rated operational current le: 40A (AC-21A)
- Rated thermal current Ith: 50A
- Rated insulation voltage Ui: 690V
- Base mounting
- · Fixing with 2 screws 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.

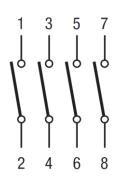
Technical characteristics: Knob

- 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

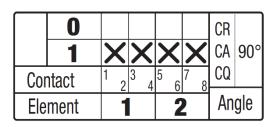
Positions



Electrical diagram



Electrical function



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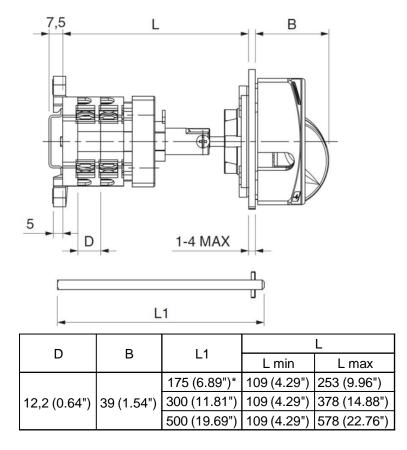
Dimensions



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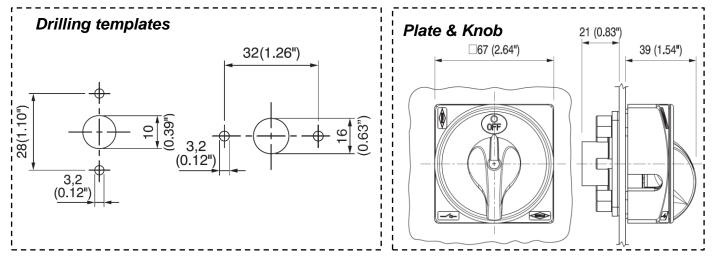
measures in mm (in)



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



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Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	690
lated operating voltage		Ue	V	690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		lth	Α	50
Rated thermal current for enclosed switch		Ithe	А	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	А	40
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	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 (A)	10 (32)
		400V	Kw (A)	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)
с с <i>у</i> і і		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)
		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	A	10
		400V	A	8
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	256
······································		400V	А	240
Short circuit protection				
Rated short time withstand current		lcw	A	500
Rated short-circuit make capacity		lcm	А	2000
Rated conditional short-circuit current		-	kA	10
With fuses class gG		500V	А	50
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	40/32
Short circuit rating @600Vac			Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			А	60
Rated operating power				
1 phase - 2 pole		120V	Hp (A)	3 (34)/2,5
b b		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			F V 7	
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
· ···· 0 ·········	WITH TEXIDIE WITES	Min-Max	AWG	14-8
	With solid wires	Min-Max	mm ²	2x2,5-16
Connection terminal screw dimensions	with solid wires	WIII-WAX	Type	2x2,5-16 M4
Screw tightening torque			Nm	1,2
Protection degree IEC 529 EN 60529			INIT	1,2
Terminals			IP	00
Ambient conditions			11*	00
			°C	25
Operating ambient temperature				-25 ÷ +55
Storage ambient temprature			°C	-30 ÷ +70
Withstand to constant humid according to IEC 60068 Withstand to cyclic humid according to IEC 60068				2-78
				2-30

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