

Cam switches

CA Series – Datasheet



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 www.bremasersce.it - info@bremasersce.it
 ISO 9001 Certified Quality System

Cod. CA03200G3RL6



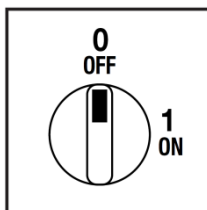
Technical characteristics: Body

- ON-OFF switch 3 pole
- IP00 Protection degree
- Rated operational current In: 32A
- Rated thermal current Ith: 32A
- Rated insulation voltage Ui: 690V
- Rear Mounting
- Fixing:
 - 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal
- Number of elements: 2
- 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: Plate and knob

- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- IP66 Protection degree
- Fixing:
 - 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal

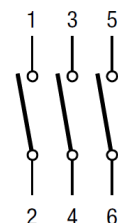
Plate and positions



Electrical function

	0								CR	90°
	1	X	X	X					CA	
Contact		1	2	3	4	5	6	7	8	
Element		1			2			Angle		

Electrical scheme



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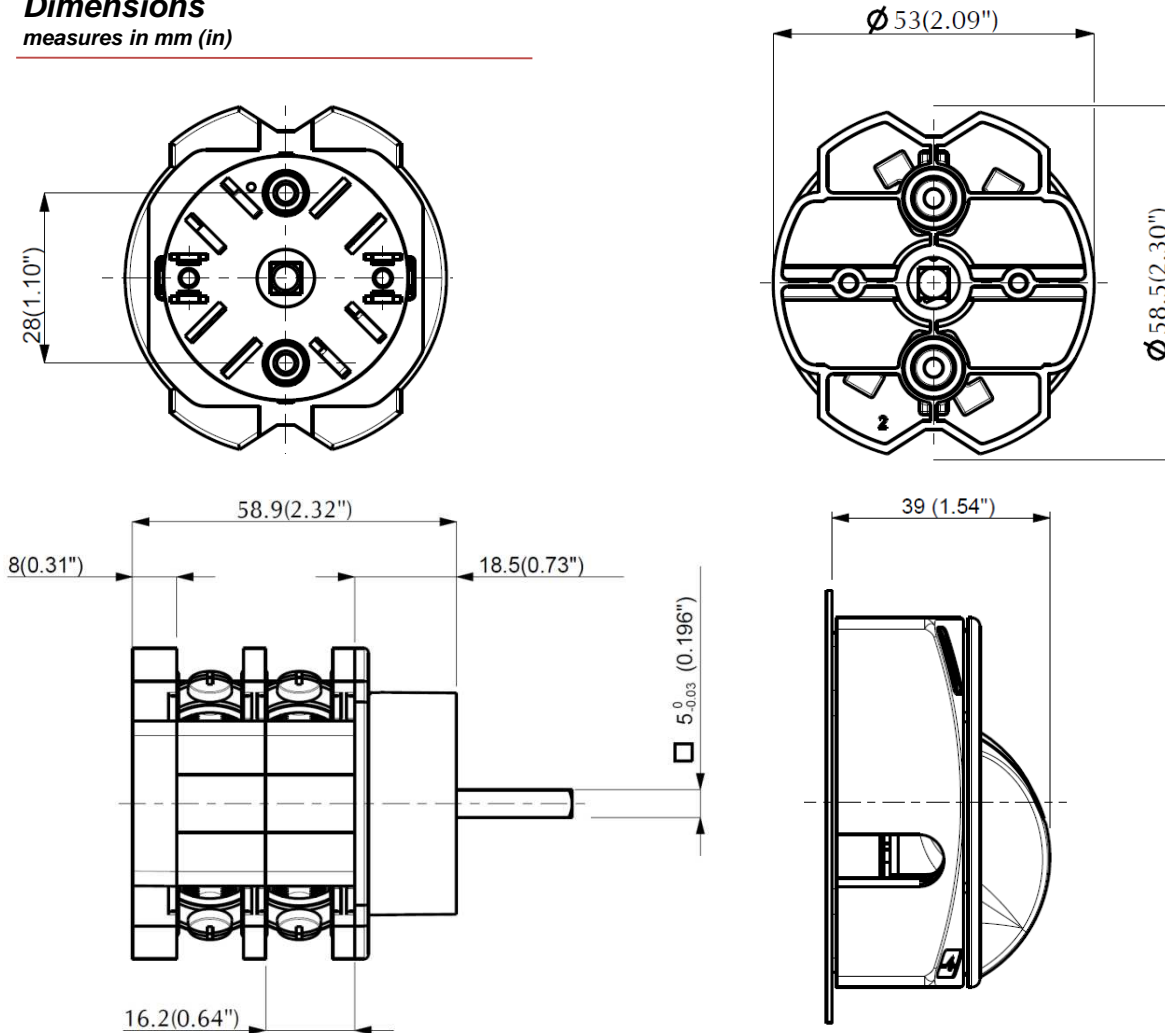


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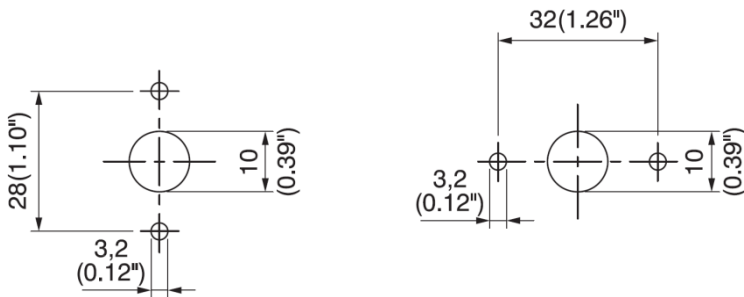
Dimensions

measures in mm (in)



Drilling templates

measures in mm (in)



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			CR032
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	A	32
Rated operation frequency		Hz	50
Power dissipation for each pole		W	1
Rated operating current			
AC-21A Switching resistive loads, including moderate overloads	Ie	A	32
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	Ie	A	25
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)	8,5 (27)
	400V	Kw (A)	15 (27)
	500V	Kw (A)	15 (22)
	690V	Kw (A)	15 (16)
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, switching off motors during running 3 phase - 3 pole	230V	Kw (A)	5,5 (17)
	400V	Kw (A)	10 (17)
	500V	Kw (A)	10 (14)
	690V	Kw (A)	10 (10)
AC-3 Squirrel cage motors: starting, switching 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, plugging, inching	230V	Kw (A)	2,2 (17)
	400V	Kw (A)	3 (5,5)
AC-15 Control of a.c electromagnetic loads	230V	A	8
	400V	A	6
Rated breaking capability in AC-23A (cos φ=0,45)	230V	A	216
	400V	A	216
Short circuit protection			
Rated short time withstand current	Icw	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 insulation voltage	Ui	UL/CSA V	600/600
Rated operating voltage	Ue	UL/CSA V	600/600
General use current	Ie	UL/CSA A	35/25
Short circuit rating @600Vac		Arms	-
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)		A	-
Rated operating power			
1 phase - 2 pole	120V	Hp (A)	2/-
	240V	Hp (A)	5/-
3 phase - 3 pole	200V	Hp (A)	7,5 (5)
	240V	Hp (A)	10/-
	480V	Hp (A)	15/-
	600V	Hp (A)	15/17
Mechanical characteristics			
Mechanical life		Cicli x 106	1,5
		Cicli/ora	120
Connection according to IEC 9471-1 and EN 50947-1			
Connecting capability	Min-Max	mm ²	2x2,5-10
	With flexible wires	Min-Max	AWG
	With solid wires	Min-Max	mm ²
Connection terminal screw dimensions		Tipo	M5
Screw tightening torque		Nm	1,7
Protection degree IEC 529 EN 60529			
Terminals		IP	20
Ambient conditions			
Operating ambient temperature		°C	-25 ÷ +55
Storage ambient temperature		°C	-30 ÷ +70
Withstand to constant humid according to IEC 60068			2-78
Withstand to cyclic humid according to IEC 60068			2-30

Standard

IEC/EN 60947-3; UL508

Approvals

