

Cam switches

CA Series – Datasheet



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

Cod. CA02000G4RL6



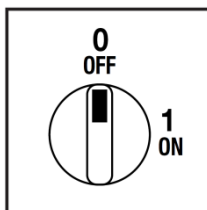
Technical characteristics: Body

- ON-OFF switch 4 pole
- IP00 Protection degree
- Rated operational current In: 20A
- Rated thermal current Ith: 25A
- 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

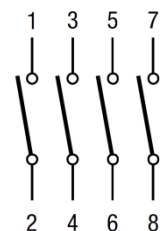
Plate and positions



Electrical function

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

Electrical scheme



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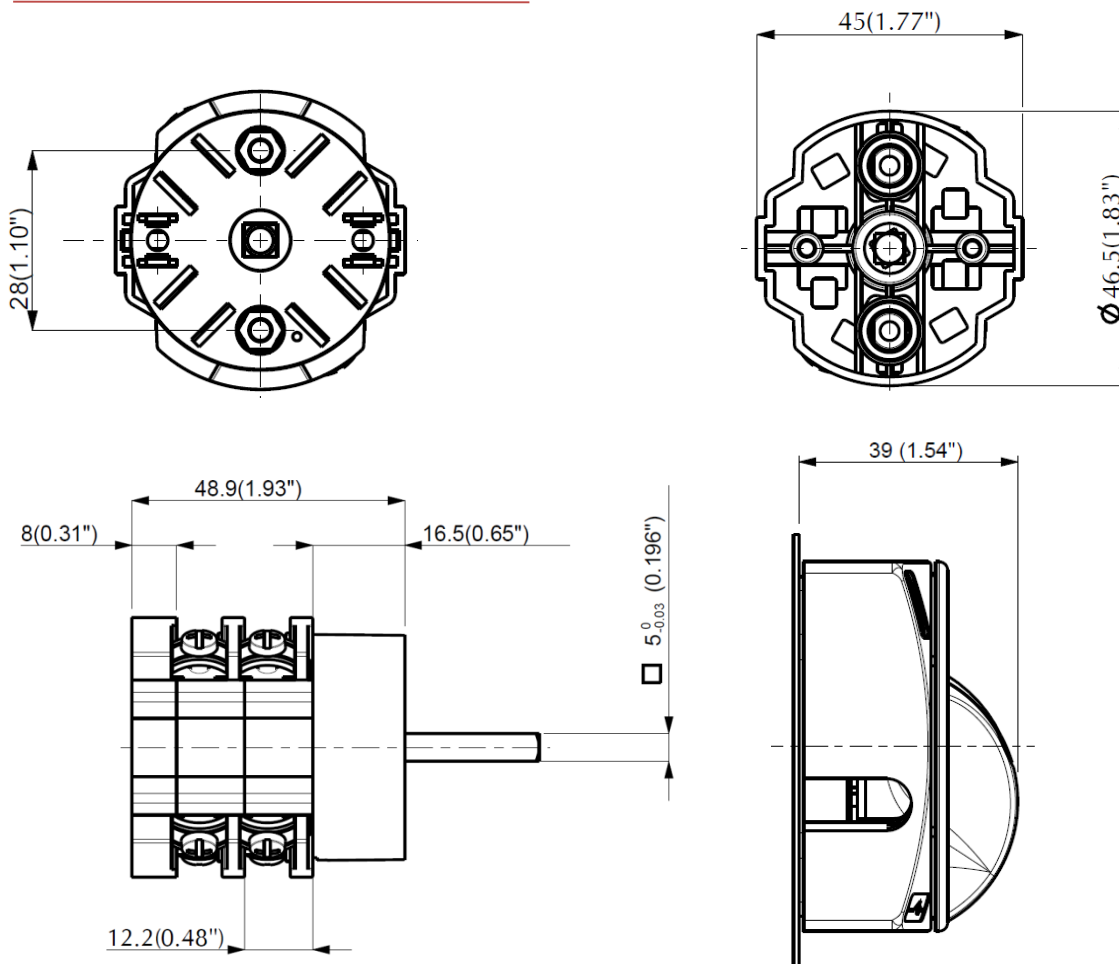
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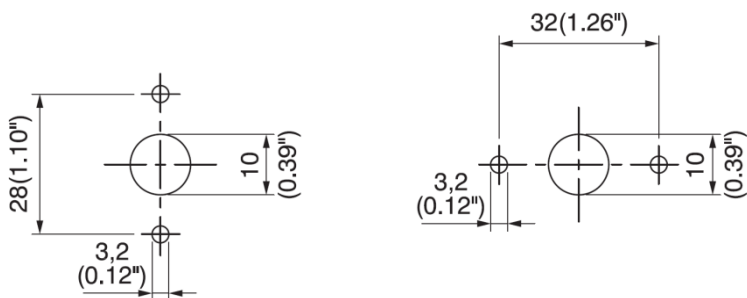
Dimensions

measures in mm (in)



Drilling templates

measures in mm (in)



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			CR020	
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	25	
Rated operation frequency		Hz	50	
Power dissipation for each pole		W	0,4	
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads	Ie	A	20	
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	Ie	A	16	
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)	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, switching 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, switching 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	
Rated breaking capability in AC-23A (cos φ=0,45)	230V	A	136	
	400V	A	128	
Short circuit protection				
Rated short time withstand current	Icw	A	240	
Rated short-circuit make capacity	Icm	A	1500	
Rated conditional short-circuit current	-	kA	5	
With fuses class gG	500V	A	20	
Technical data UL/CSA				
Rated insulation voltage	Ui	UL/CSA V	600/300	
Rated operating voltage	Ue	UL/CSA V	600/300	
General use current	Ie	UL/CSA A	20/16	
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)	1,5 (20)/-	
	240V	Hp (A)	3 (17)/2,5 ²	
3 phase - 3 pole	200V	Hp (A)	5 (16,7)/-	
	240V	Hp (A)	7,5 (22)/5 (16) ²	
	480V	Hp (A)	10 (14)/-	
	600V	Hp (A)	10 (11)/-	
Mechanical characteristics				
Mechanical life		Cicli x 106	2	
		Cicli/ora	120	
Connection according to IEC 9471-1 and EN 50947-1				
Connecting capability	Min-Max	mm2	2x1,5-4	
	With flexible wires	Min-Max	AWG	16-10
	With solid wires	Min-Max	mm2	2x1,5-6
Connection terminal screw dimensions		Tipo	M3,5	
Screw tightening torque		Nm	1	
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	

Notes:
² = CSA a 300V

Standard

IEC/EN 60947-3; UL508

Approvals

