

**Cod. CA06300G33L3**

**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



(purely indicative picture)

**Technical characteristics: Body**

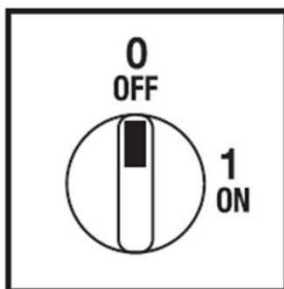
- On-off switch 3 poles
- IP00 Protection degree
- Rated operational current Ie: 75A
- Rated thermal current Ith: 80A
- Rated insulation voltage Ui: 690V
- Rear Mounting
- Fixing with 2 screw at 40mm vertical
- Contact elements: 2
- Switching angle: 90°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.



**Technical characteristics: Knob**

- Yellow plate 105x105 mm and red lockable knob (max. 3 locks)
- Fixing with 2 screws at 40mm vertical
- IP40 protection degree

**Positions**



**Electrical diagram**

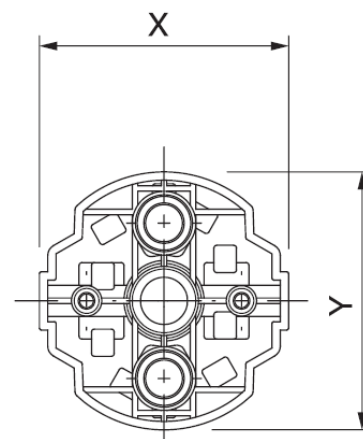
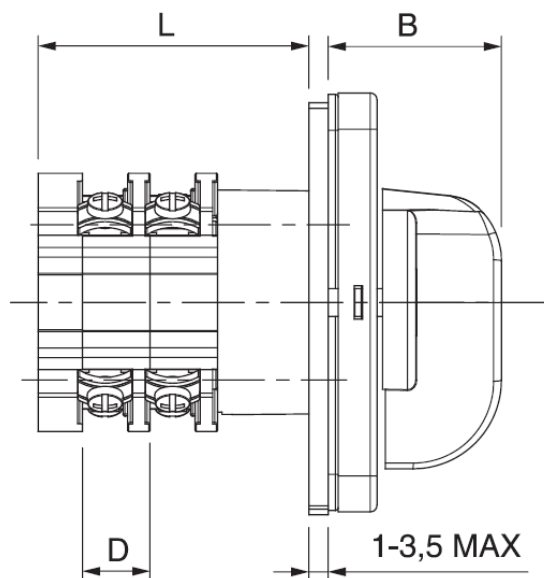


**Electrical function**

	<b>0</b>							CR	90°
	<b>1</b>	X	X	X				CA	
Contact		1	2	3	4	5	6	7	
Element		<b>1</b>			<b>2</b>			Angle	

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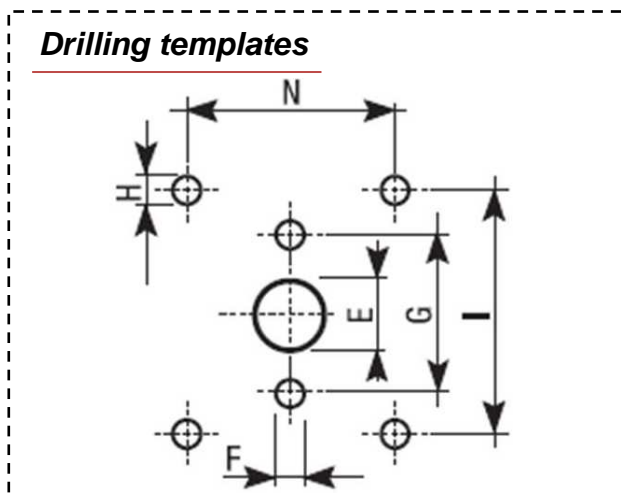
**Dimensions**



measures in mm (in)

Series	X	Y	D	L	N° of stages
CA063	/	∅84	25	85,5	2

**Drilling templates**



measures in mm (in)

cod.	E	F	G	H	I	N
3L3/3N3	14	5,3	40			

# Cam Switches

## CA Series – Datasheet



**Bremas Erscse SpA**  
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 Tel +39 02 95651611 Fax +39 02 95651639  
 www.bremas.eu info@bremas.it  
**ISO 9001** Certified Quality System

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<b>Technical data IEC 947-3 EN 60947-3</b>				
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	80	
Rated thermal current for enclosed switch	Ithe	A	80	
Rated operation frequency		Hz	50/60	
Power dissipation for each pole		W	2,5	
<b>Rated operating current</b>				
AC-21A Switching resistive loads, including moderate overloads	Ie	A	75	
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	Ie	A	63	
AC-20A Connecting and disconnecting under no loads conditions			-	
<b>Rated operating power</b>				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	230V	Kw (A)	18,5 (58)	
	400V	Kw (A)	30 (54)	
	500V	Kw (A)	22 (32)	
	690V	Kw (A)	-	
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole	110V	Kw (A)	5,5 (63)	
	230V	Kw (A)	10 (32)	
AC-3 Squirrel cage motors: starting, switching off motors during running 3 phase - 3 pole	230V	Kw (A)	15 (47)	
	400V	Kw (A)	22 (40)	
	500V	Kw (A)	22 (32)	
	690V	Kw (A)	-	
AC-3 Squirrel cage motors: starting, switching off motors during running 1 phase - 2 pole	110V	Kw (A)	4 (45)	
	230V	Kw (A)	7,5 (40)	
	400V	Kw (A)	-	
AC-4 Squirrel cage motors: starting, plugging, inching	230V	Kw (A)	5,5 (17)	
	400V	Kw (A)	7,5 (14)	
AC-15 Control of a.c electromagnetic loads	230V	A	-	
	400V	A	-	
Rated breaking capability in AC-23A (cos φ=0,45)	230V	A	464	
	400V	A	432	
<b>Short circuit protection</b>				
Rated short time withstand current	Icw	A	800	
Rated short-circuit make capacity	Icm	A	2500	
Rated conditional short-circuit current	-	kA	15	
With fuses class gG	500V	A	63	
<b>Technical data UL/CSA</b>				
Rated operating voltage	Ue	UL/CSA V	600/600	
General use current	Ie	UL/CSA A	85/63	
Short circuit rating @600Vac		Arms	-	
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)		A	-	
<b>Rated operating power</b>				
1 phase - 2 pole	120V	Hp (A)	7,5 (80)/-	
	240V	Hp (A)	10 (50)/-	
3 phase - 3 pole	200V	Hp (A)	20 (62,1)/-	
	240V	Hp (A)	20 (54)/-	
	480V	Hp (A)	30 (40)/-	
	600V	Hp (A)	40 (41)/50	
<b>Mechanical characteristics</b>				
Mechanical life		Cycles x 10 <sup>6</sup>	1	
		Cycles/hr	120	
<b>Connection according to IEC 9471-1 and EN 50947-1</b>				
Connecting capability	With flexible wires	Min-Max	mm <sup>2</sup>	6-16
		Min-Max	AWG	10-6
Connection terminal screw dimensions	With solid wires	Min-Max	mm <sup>2</sup>	10-25
		Type		2xM5
Screw tightening torque		Nm		2,8
<b>Protection degree IEC 529 EN 60529</b>				
Terminals		IP		00
<b>Ambient conditions</b>				
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