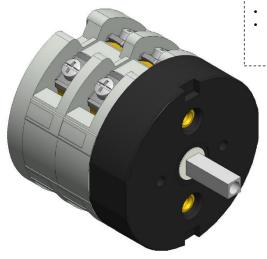
www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

Cod. CA05000G33L3



(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



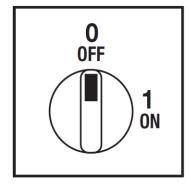
Technical characteristics: Body

- ON-OFF switch 3 pole with padlockable handle
- IP00 Protection degree
- Rated operational current le: 50A (AC-21A)
- Rated thermal current Ith: 63A
- Rated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 40mm 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.

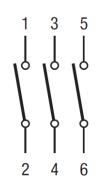
Technical characteristics: Knob

 Yellow plate 105x105mm and red padlockable knob (max 3 padlocks)

Positions



Electrical diagram



Electrical Function

)					CR	
1		X	X	X		CA	90°
Contact		1 2	3 4	5 6	7 8	CQ	
Element		1		2		An	gle



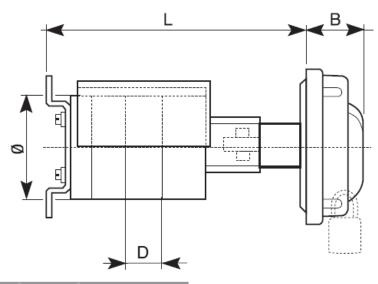
Via castellazzo 9 - 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.eu info@bremas.it

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measures in mm (in)

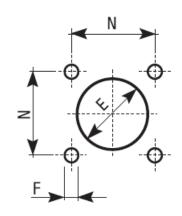
Dimensions

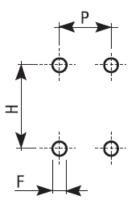


N° elementi		2	
CA 050 D = 18 Ø = 74	L (mm)	135 - 139	

	B (mm)
LE3-LN3	44
LE4-LN4	62

Drilling templates





Misure (mm)

cod.	N	Е	F	Н	Р
LE3/LN3	65÷85	40	5,3	84	26
LE4/LN4	94÷110	50	5,3	94÷110	94÷110



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ated insulation voltage		Ui	V	690
ated operating voltage		Ue	٧	690
ted impulse withstand voltage		Uimp	kV	6
ted thermal current for open switch		Ith	A	63
ted thermal current for enclosed switch		Ithe	A	63
ted operation frequency			Hz	50/60
wer dissipation for each pole			W	1,5
ted operating current			**	1,5
		1-		
21A Switching resistive loads, including moderate overloads		le	A	50
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	Α	40
-20A Connecting and disconnecting under no loads conditions				-
ted operating power				
2-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	11 (35)
		400V	Kw (A)	22 (40)
		500V	Kw (A)	22 (32)
		690V	Kw (A)	20 (20)
-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	3 (36)
AC-25A 3WILLINING OF HIGHOUS OF OTHER HIGHLY HOUGHVE TOOUS 1 phase - 2 pole		230V	Kw (A)	6,5 (36)
:-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	10 (35)
		400V	Kw (A)	17,5 (32)
		500V	Kw (A)	17,5 (27)
		690V	Kw (A)	18,5 (21)
-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	2,6 (32)
		230V	Kw (A)	5,5 (30)
		400V	Kw (A)	-
-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	3,2 (11)
		400V	Kw (A)	6 (11)
-15 Control of a.c electromagnetic loads		230V	Α	-
		400V	A	-
ted breaking capability in AC-23A (cos φ=0,45)		230V	A	330
ted breaking capability in the 25% (cos \$\psi\$ 0,15)		400V	A	330
ack also it weekseting		4000	A	330
ort circuit protection				
ted short time withstand current		lcw	A	500
ted short-circuit make capacity		lcm	A	2000
ted conditional short-circuit current		-	kA	10
ith fuses class gG		500V	Α	50
ecnical data UL/CSA				
ted operating voltage		Ue	UL/CSA V	600/-
eneral use current		le	UL/CSA A	50/-
ort circuit rating @600Vac			Arms	5000
se size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
			A	- 00
ted operating power		10011		0 (0 4) (
shase - 2 pole		120V	Hp (A)	3 (34)/-
		240V	Hp (A)	7,5 (40)/-
shase - 3 pole		200V	Нр (А)	
hase - 3 pole		200V 240V		15 (42)/-
shase - 3 pole		200V	Нр (А)	15 (42)/-
hase - 3 pole		200V 240V	Hp (A) Hp (A)	15 (42)/- 20 (27)/-
		200V 240V 480V	Нр (A) Нр (A) Нр (A)	15 (42)/- 20 (27)/-
echanical characteristics nel tickness		200V 240V 480V	Нр (A) Нр (A) Нр (A)	15 (42)/- 20 (27)/-
echanical characteristics nel tickness		200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) mm	15 (42)/- 20 (27)/- 25 (27)/-
echanical characteristics		200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	15 (42)/- 20 (27)/- 25 (27)/-
echanical characteristics nel tickness echanical life		200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) mm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1	Makfirette	200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1	With flexible wires	200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability	With flexible wires With solid wires	200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10° Cycles/hr mm² AWG mm²	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
echanical characteristics echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque stection degree IEC 529 EN 60529		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
echanical characteristics nel tickness echanical life Innection according to IEC 9471-1 and EN 50947-1 Innecting capability Innection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	1,5 120 2×2,5-10 14-8 2×2,5-16 M4 1,7
echanical characteristics nel tickness schanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque stection degree IEC 529 EN 60529 rminals shient conditions		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2×2,5-10 14-8 2×2,5-16 M4 1,7
echanical characteristics nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals ablent conditions ereating ambient temperature		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2×2,5-10 14-8 2×2,5-16 M4 1,7 00
echanical characteristics nel tickness schanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions ew tightening torque otection degree IEC 529 EN 60529 minals abient conditions erating ambient temperature orage ambient temperature		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2×2,5-10 14-8 2×2,5-16 M4 1,7 00 -25 ÷ +55
chanical characteristics el tickness chanical life mection according to IEC 9471-1 and EN 50947-1 mecting capability mection terminal screw dimensions ew tightening torque tection degree IEC 529 EN 60529 minals bient conditions evaring ambient temperature		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2×2,5-10 14-8 2×2,5-16 M4 1,7 00

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