

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

ISO 9001 Certified Quality System

Cod. CA05000G4LE3

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





(Image is purely indicative)

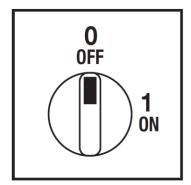
Technical characteristics: Body

- ON-OFF switch 4 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.

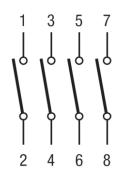
Technical characteristics: Knob

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

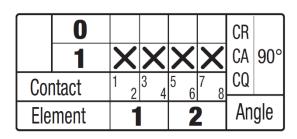
Positions



Electrical diagram



Electrical Function





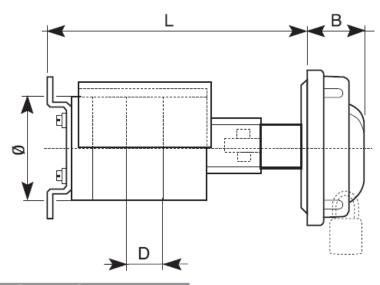
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measures in mm (in)

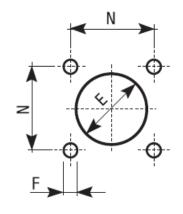
Dimensions

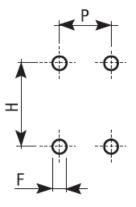


N° elementi		2
CA 050 D = 18 Ø = 74	L (mm)	135 - 139

	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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echnical data IEC 947-3 EN 60947-3				
ated insulation voltage		Ui	V	690
ted operating voltage		Ue	V	690
ted impulse withstand voltage		Uimp	kV	6
ted thermal current for open switch		Ith	Α	63
ted thermal current for enclosed switch		Ithe	Α	63
ted operation frequency			Hz	50/60
wer dissipation for each pole			W	1,5
ted operating current				
C-21A Switching resistive loads, including moderate overloads		le	A	50
-22ASwitching of mixed resistive and inductive loads, including moderate overloads		le	Α Α	40
		ie .	A	
-20A Connecting and disconnecting under no loads conditions				-
ted operating power				
C-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)
	230V	Kw (A)	6,5 (36)	
AC-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)
3 Squire reage motors, starting, switching of motors during running 2 priose 2 porc		230V	Kw (A)	5,5 (30)
		400V	Kw (A)	-
A Squirral cago motors: starting pluggian inching		230V		3,2 (11)
-4 Squirrel cage motors: starting, pluggign, inching			Kw (A)	
		400V	Kw (A)	6 (11)
-15 Control of a.c electromagnetic loads		230V	A	-
		400V	A	-
ted breaking capability in AC-23A (cos φ=0,45)		230V	Α	330
		400V	A	330
ort circuit protection				
ted short time withstand current		lcw	Α	500
ted short-circuit make capacity		Icm	Α	2000
ted conditional short-circuit current		-	kA	10
ith fuses class gG		500V	A	50
ecnical data UL/CSA				
ated 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.)			Α	60
ted operating power				
phase - 2 pole		120V	Hp (A)	3 (34)/-
shase - 2 pole		120V 240V	Hp (A)	3 (34)/- 7,5 (40)/-
		240V	Hp (A)	7,5 (40)/-
		240V 200V	Hp (A) Hp (A) Hp (A)	7,5 (40)/- 10 (32,2)/- 15 (42)/-
		240V 200V 240V	Hp (A) Hp (A) Hp (A) Hp (A)	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/-
ohase - 3 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A)	7,5 (40)/- 10 (32,2)/- 15 (42)/-
phase - 2 pole phase - 3 pole echanical characteristics nel tickness		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/-
echanical characteristics nel tickness		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/-
ohase - 3 pole echanical characteristics		240V 200V 240V 480V 600V	Hp (A) Cycles x 106	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5
echanical characteristics echanical life		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/-
echanical characteristics echanical life echanical life ennection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120
echanical characteristics echanical life echanical life ennection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10
echanical characteristics echanical life echanical life ennection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) Cycles x 10 ⁶ Cycles/hr Mm ² AWG	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8
cchanical characteristics nel tickness cchanical life nnection according to IEC 9471-1 and EN 50947-1	With flexible wires With solid wires	240V 200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10
hase - 3 pole sechanical characteristics nel tickness schanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) Cycles x 10 ⁶ Cycles/hr Mm ² AWG	7,5 (40)/- 10 (32,2)/- 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		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ²	7,5 (40)/- 10 (32,2)/- 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		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
echanical characteristics nel tickness		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
schanical characteristics echanical life ennection according to IEC 9471-1 and EN 50947-1 ennecting capability ennection terminal screw dimensions ew tightening torque etection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
echanical characteristics mel tickness echanical life mnection according to IEC 9471-1 and EN 50947-1 mnecting capability mnection terminal screw dimensions rew tightening torque stection degree IEC 529 EN 60529 rminals shient conditions		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
schanical 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 abient conditions serating ambient temperature		240V 200V 240V 480V 600V Max Min-Max	Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 00
echanical characteristics enel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions ew tightening torque stection degree IEC 529 EN 60529 rminals		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4

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