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

ISO 9001 Certified Quality System

Cod. CA20000G4LE4

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)

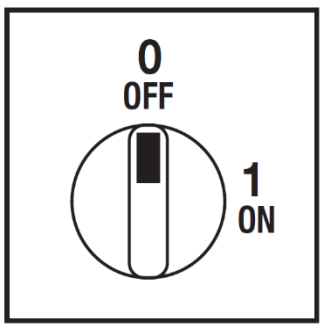
Technical characteristics

- ON-OFF switch 4 pole with padlockable handle
- IP00 Protection degree
- Rated operational current Ie: 160A (AC-21A)
- Rated thermal current Ith: 200A
- Rated insulation voltage Ui: 690V
- Panel mounting
- Switching angle: 90°
- Self-extinguishing thermosetting/thermoplastic class V2 housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, made of silver and alloy

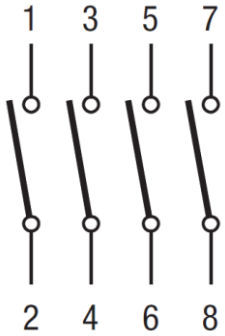
Technical characteristics: Plate and knob

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

Positions



Electrical diagram



Electrical function

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

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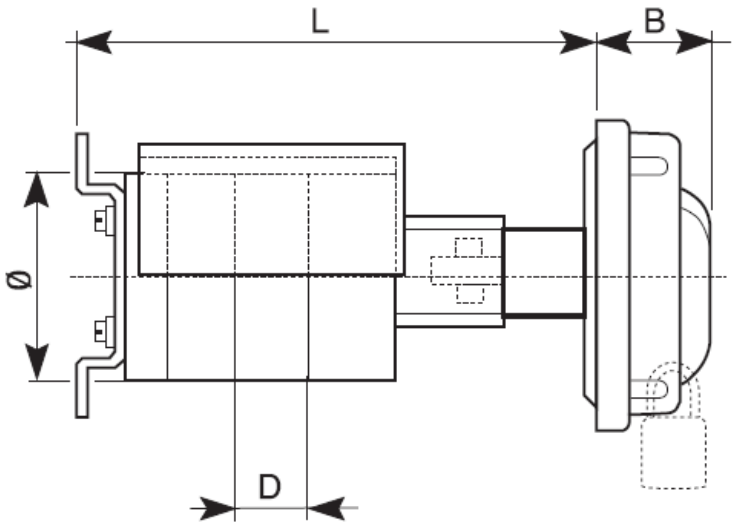
Measures in mm (in)

Dimensions

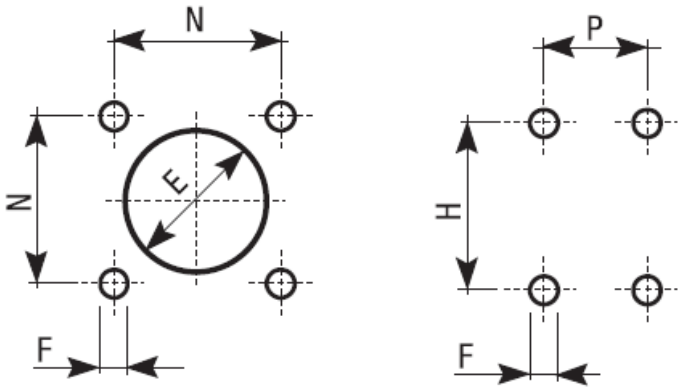


CA 200
D = 39
1.54
ø = 110
4.33

L (mm)	200 - 204
L (in)	7.87 - 8.03

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

Drilling templates



Misure (mm)

cod.	N	E	F	H	P
LE3/LN3	65÷85	40	5,3	84	26
LE4/LN4	94÷110	50	5,3	94÷110	94÷110

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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	200
Rated thermal current for enclosed switch		Ithe	A	160
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	7
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		Ie	A	160 [5]
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		Ie	A	160
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)	40 (125)
		400V	Kw (A)	59 (106)
		500V	Kw (A)	75 (108)
		690V	Kw (A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	11 (125)
		230V	Kw (A)	22 (120)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	30 (95)
		400V	Kw (A)	45 (82)
		500V	Kw (A)	59 (85)
		690V	Kw (A)	-
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	9 (102)
		230V	Kw (A)	15 (82)
		400V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	-
		400V	Kw (A)	-
AC-15 Control of a.c electromagnetic loads		230V	A	-
		400V	A	-
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	1000
		400V	A	848
Short circuit protection				
Rated short time withstand current		Icw	A	2000
Rated short-circuit make capacity		Icm	A	3000
Rated conditional short-circuit current		-	kA	15
With fuses class gG		500V	A	200
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/-
General use current		Ie	UL/CSA A	240/-
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)	-
		240V	Hp (A)	-
3 phase - 3 pole		200V	Hp (A)	-
		240V	Hp (A)	-
		480V	Hp (A)	-
		600V	Hp (A)	-
Mechanical characteristics				
Mechanical life			Cycles x 10^6	0,1
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1				
Connecting capability	With flexible wires	Min-Max	mm²	50-70 [1]
		Min-Max	AWG	1/0-2/0
	With solid wires	Min-Max	mm²	16-35
Connection terminal screw dimensions			Type	M10
Screw tightening torque			Nm	23
Protection degree IEC 529 EN 60529				
Terminals			IP	00
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:
[1] = Terminals for M10 bolts
[5] = at 500V