# توجه فرمایید!

اطلاعات مندرج در صفحات بعدی متعلق به محصولات شرکت برماس ایتالیا پس از تغییرات ستادی در سال ۲۰۱۳ است.

هرچند تغییر چندانی در محصولات نشده است، اطلاعات فنی ممکن است تغییرات کوچکی داشته باشند.

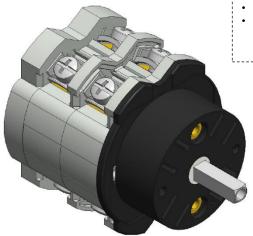
دسترسی به فایلهای اطلاعات فنی پیش از سال ۲۰۱۳ محصولات شرکت برماس میسر نبود.





ISO 9001 Certified Quality System

# Cod. CA0400003PL2



(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



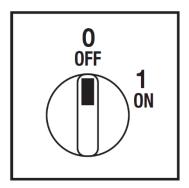
# Technical characteristics: Body

- ON-OFF swtch 3 pole
- IP00 Protection degree
- Rated operational current le: 40A (AC-21A)
- · Rated thermal current Ith: 50A
- · Rated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- 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.

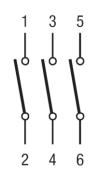
#### Technical characteristics: Knob

- Transparent plate 75,5x75,5mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP 40 Protection degree

## **Positions**



# Electrical diagram



#### Electrical function

	0	>	_	×	_	<u> </u>	_			CR CA	60°
Contact		1	2	3	<u>1</u>	5	6	7	8	CQ	
Elei	Element		1		2			J	Angle		

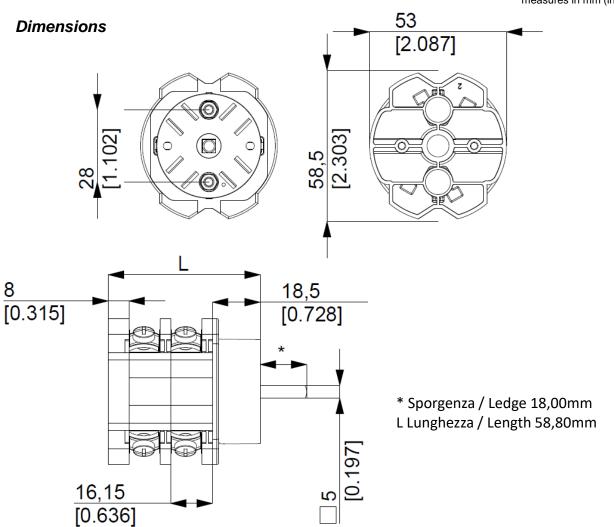


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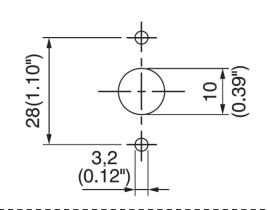
ISO 9001 Certified Quality System

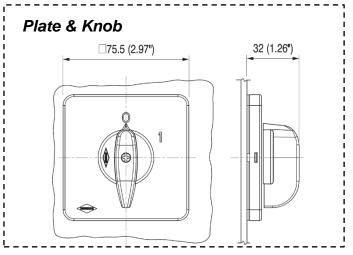
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measures in mm (in)



# **Drilling templates**





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# Bremas Ersce SpA

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### Cod. CA0400003PL2

Technical data IEC 947-3 EN 60947-3				500
Rated insulation voltage		Ui	V V	690
Rated operating voltage		Ue 		690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		Ith	A	50
Rated thermal current for enclosed switch		Ithe	A	50
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1,3
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	A	40
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	32
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)	10 (32)
		400V	Kw (A)	18,5 (30)
		500V	Kw (A)	18,5 (27)
		690V	Kw (A)	18,5 (19)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	3 (34)
		230V	Kw (A)	5,5 (30)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	7,5 (24)
		400V	Kw (A)	15 (27)
		500V	Kw (A)	15 (22)
		690V	Kw (A)	16 (16)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
		230V	Kw (A)	4,5 (25)
		400V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	3 (10)
3,1 3357 3		400V	Kw (A)	5,5 (10)
AC-15 Control of a.c electromagnetic loads		230V	A	10
		400V	A	8
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	256
nated breaking capability in the 25th (665 \$\psi\$ 6) 15)		400V	A A	240
Short circuit protection		4001		240
Rated short time withstand current		lcw	A	500
Rated short-circuit make capacity		Icm	A	2000
Rated conditional short-circuit current		-	kA	10
With fuses class gG		500V	A	50
Technical data UL/CSA		3001	^	30
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	40/32
Short circuit rating @600Vac		16	Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
			Α	60
Rated operating power		4201/	11 (4)	2 /24) /2 5
1 phase - 2 pole		120V	Hp (A)	3 (34)/2,5
		240V	Hp (A)	7,5 (40)/4,5
3 phase - 3 pole		200V	Hp (A)	10 (32,2)/-
		240V	Hp (A)	15 (42)/9,5
		480V	Hp (A)	20 (27)/20
		600V	Hp (A)	20 (22)/25
Mechanical characteristics				1
Panel tickness		Max	mm	4
Mechanical life			Cycles x 10 <sup>6</sup>	1,5
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1				1
Connecting capability	With flexible wires	Min-Max	mm²	2x2,5-10
		Min-Max	AWG	14-8
	With solid wires	Min-Max	mm²	2x2,5-16
Connection terminal screw dimensions			Type	M4
Screw tightening torque			Nm	1,2
Protection degree IEC 529 EN 60529				
Terminals			IP	00
Ambient conditions				
Operating ambient temperature			°C	-25 ÷ +55
Storage ambient temprature		·	°C	-30 ÷ +70
Withstand to constant humid according to IEC 60068				2-78
-				

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