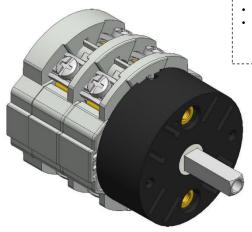


Via castellazzo 9 - 20040 Cambiago (MI)
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www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

Cod. CA0200004PL2



(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



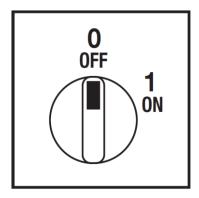
Technical characteristics: Body

- ON-OFF swtch 4 pole
- IP00 Protection degree
- Rated operational current le: 20A (AC-21A)
- · Rated thermal current Ith: 25A
- · 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.

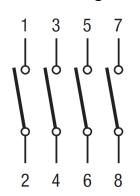
Technical characteristics: Knob

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

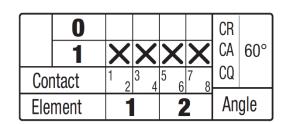
Positions



Electrical diagram



Electrical function



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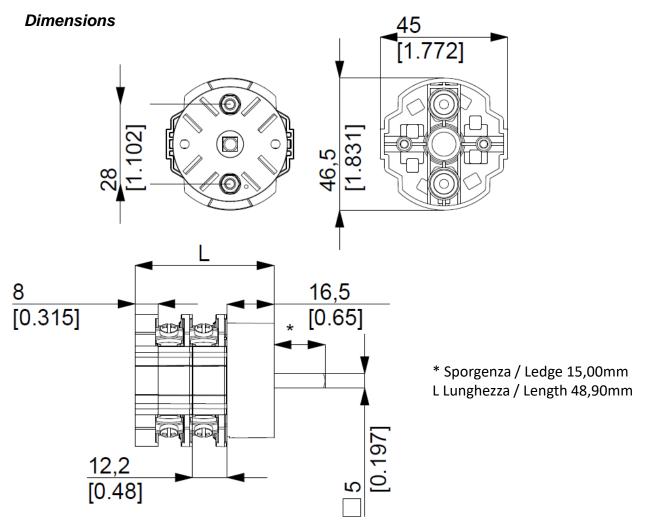
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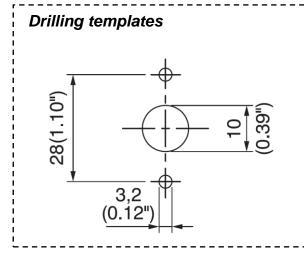
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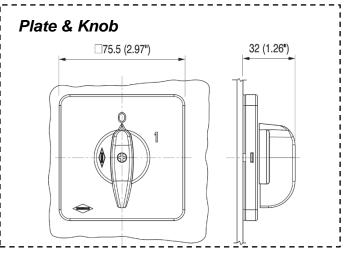
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measures in mm (in)









Bremas Ersce SpA

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Fechnical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	690
Rated operating voltage		Ue	٧	690
Rated impulse withstand voltage		Uimp	kV	6
tated thermal current for open switch		Ith	Α	25
ated thermal current for enclosed switch		Ithe	Α	25
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	Α	20
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	16
C-20A Connecting and disconnecting under no loads conditions				-
tated operating power		230V	Kw (A)	5,5 (17)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		400V	Kw (A)	9 (16)
		500V	Kw (A)	9 (13)
		690V	Kw (A)	9 (9)
		110V	Kw (A)	1,1 (12)
ic-23A Switching of motor loads of other nightly inductive loads 1 phase - 2 pole		230V	Kw (A)	3 (17)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	4 (13)
AL-3 Squirrel cage motors: starting, switching off motors during running 3 phase - 3 pole		400V	Kw (A)	7,5 (14)
		500V	Kw (A)	7,5 (14)
		690V	Kw (A)	7,5 (11)
.C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,1 (13)
ne a squire conge motors, successing on motors during running 1 priose 2 poic		230V	Kw (A)	2,2 (12)
		400V	Kw (A)	3,7 (12)
.C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	1,5 (4,5)
		400V	Kw (A)	2,2 (2,6)
AC-15 Control of a.c electromagnetic loads		230V	Α	7
· ·		400V	Α	5
ated breaking capability in AC-23A (cos φ=0,45)		230V	Α	136
		400V	Α	128
hort circuit protection				
lated short time withstand current		lcw	Α	240
tated short-circuit make capacity		lcm	Α	1500
tated conditional short-circuit current		-	kA	5
Vith fuses class gG		500V	Α	20
echnical data UL/CSA				
lated operating voltage		Ue	UL/CSA V	600/300
Seneral use current		le	UL/CSA A	20/16
hort circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
lated operating power				/>
phase - 2 pole		120V	Hp (A)	1,5 (20)
where 2 male		240V	Hp (A)	3 (17)
phase - 3 pole		200V	Hp (A)	5 (16,7)
		240V	Hp (A)	7,5 (22)
		480V	Hp (A)	10 (14)
Mechanical characteristics		600V	Hp (A)	10 (11)
anel tickness		Max	mm	4
Aechanical life		IVIdX	Cycles x 10 ⁶	2
ncentral me		-	Cycles/hr	120
connection according to IEC 9471-1 and EN 50947-1			0,0.00/111	120
connecting capability	With flexible wires	Min-Max	mm²	2x1,5-4
Connecting Capability	WIGH HEADIE WIFES	Min-Max	AWG	16-10
	With solid wires	Min-Max	mm²	2x1,5-6
onnection terminal screw dimensions	THE SOME WINES	IVIUA	Type	M3,5
crew tightening torque			Nm	1
rotection degree IEC 529 EN 60529				
erminals			IP	00
mbient conditions				
Operating ambient temperature			°C	-25 ÷ +55
torage ambient temperature			°C	-30 ÷ +70
Vithstand to constant humid according to IEC 60068			-	2-78

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