

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

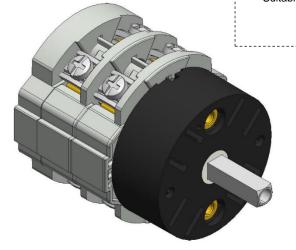
ISO 9001 Certified Quality System

#### Cod. CA0120009PL1

# 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

- Changin switch Dahlander pole
- IP00 Protection degree
- Rated operational current le: 12A (AC-21A)
- Rated thermal current Ith: 16A
- Rated insulation voltage Ui: 690V
- Panel 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.

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## Technical characteristics: Knob

- Transparent plate 52x52mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP 40 Protection degree

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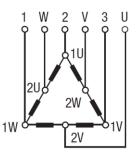
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# Electrical diagram and function



**Positions** 

	2	X		X	X			X	X	CR	
	0									CA	60°
	1		X			X	X			CQ	
Contact		1 2	3 4	5 6	7 8	9 10	11 12	13 14	<sup>15</sup> 16	Angle	
Element		1		2	2	3	3	4	ļ.	ΑΠ	yıc

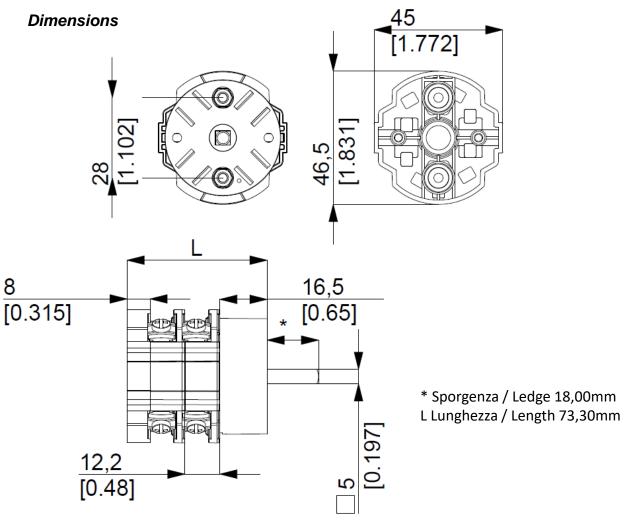


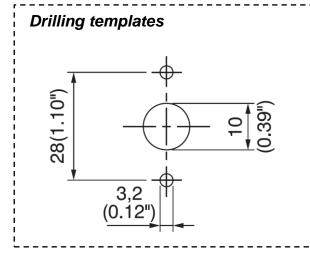
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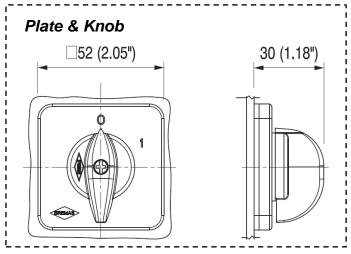
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measures in mm (in)









### 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	V	690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		Ith	Α	16
Rated thermal current for enclosed switch		Ithe	Α	16
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	0.27
Rated operating current				ı
AC-21A Switching resistive loads, including moderate overloads		le	A	12
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	12
C-20A Connecting and disconnecting under no loads conditions				-
lated operating power		2201	14 (4)	2 (0)
C-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	3 (9)
		400V	Kw (A)	4 (9)
		500V 690V	Kw (A)	-
C 224 Cuitabing of makes leads on abbout tights to death a lead of where 2 and			Kw (A)	
C-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	0,75 (8,5)
C. 2. Constituted a constitution of the state of the stat		230V	Kw (A)	1,5 (8,5)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V 400V	Kw (A)	2,2 (7)
		500V	Kw (A)	3,5 (7)
		690V	KW (A)	-
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	KW (A)	0,37 (4)
to 3 Squarer cage motors, starting, switching on motors during running 1 phase * 2 pole		230V	Kw (A)	1,1 (6)
		400V	Kw (A)	1,1 (0)
.C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	-
C-4 Squirer cage motors. Starting, proggigm, meming		400V	Kw (A)	-
.C-15 Control of a.c electromagnetic loads		230V	Α Α	4
to 15 control of the electroniagnetic loads		400V	A	3
ated breaking capability in AC-23A (cos φ=0,45)		230V	A	72
tated breaking capability in the 25th (cos q=0,45)		400V	A	72
ihort circuit protection			••	
lated short time withstand current		lcw	A	150
lated short-circuit make capacity		lcm	A	-
tated conditional short-circuit current		-	kA	4
Vith fuses class gG		500V	A	16
echnical data UL/CSA				
lated operating voltage		Ue	UL/CSA V	600/ -
General use current		le	UL/CSA A	12
hort circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
ated operating power				•
phase - 2 pole		120V	Hp (A)	0,5 (9,8)
		240V	Hp (A)	1,5 (10)
phase - 3 pole		200V	Hp (A)	1,5 (6,9)
		240V	Hp (A)	2 (6,8)
		480V	Hp (A)	3 (4,8)
		600V	Hp (A)	5 (6,1)
Mechanical characteristics				
anel tickness		Max	mm	4
Mechanical life			Cycles x 10 <sup>6</sup>	2
			Cycles/hr	120
onnection according to IEC 9471-1 and EN 50947-1				
onnecting capability	With flexible wires	Min-Max	mm²	2x1,5-4
		Min-Max	AWG	16-10
	With solid wires	Min-Max	mm²	2x1,5-6
onnection terminal screw dimensions			Туре	M3,5
crew tightening torque			Nm	1
rotection degree IEC 529 EN 60529				
erminals			IP	00
mbient conditions				
perating ambient temperature			°C	-25 ÷ +55
torage ambient temprature		·	°C	-30 ÷ +70
Vithstand to constant humid according to IEC 60068				2-78
				2-30

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