

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. CR0120004RT4



(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



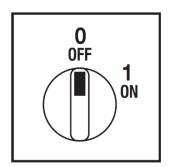
Technical characteristics: Body

- ON-OFF switch 4 pole
- IP20 Protection degree
- Rated operational current le: 12A
- Rated thermal current Ith: 16A
- · 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.

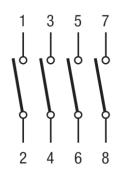
Technical characteristics: Knob

- Grey plate 48x48mm and black knob
- IP66 Protection degree
- Fixing:- 2 screw at 28mm vertical

Positions



Electrical diagram



Electrical function

	0					CR	
	1	X	X	X	X	CA	60°
Contact		1 2	3 4	5 6	7 8	CQ	
Element		1		2		Angle	

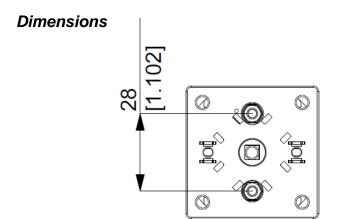


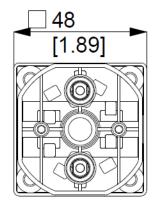
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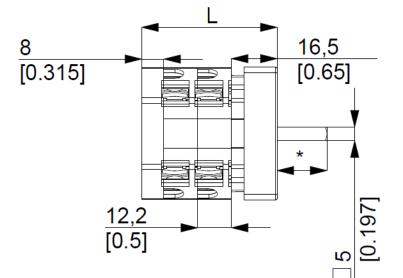
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measures in mm (in)

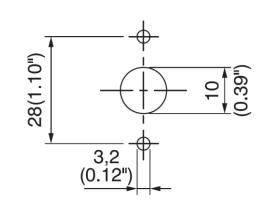


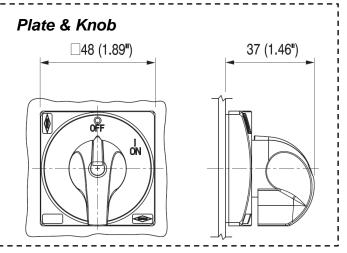




* Sporgenza / Ledge 18,00mm L Lunghezza / Length 48,90mm

Drilling templates







Bremas Ersce SpA

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echnical data IEC 947-3 EN 60947-3				
ated insulation voltage		Ui	V	690
ated operating voltage		Ue	V	690
ated impulse withstand voltage		Uimp	kV	6
ated thermal current for open switch		Ith	Α	16
ated thermal current for enclosed switch		Ithe	A	16
ated operation frequency		Teric	Hz	50/60
			W	
ower dissipation for each pole			VV	0,27
ated operating current				
C-21A Switching resistive loads, including moderate overloads		le	Α	12
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	12
C-20A Connecting and disconnecting under no loads conditions				-
ated operating power				
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	Kw (A)	
		690V	Kw (A)	-
C-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	0,75 (8,5)
		230V	Kw (A)	1,5 (8,5)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	2,2 (7)
, 5		400V	Kw (A)	3,5 (7)
		500V	Kw (A)	-
		690V	Kw (A)	-
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	0,37 (4)
		230V	Kw (A)	1,1 (6)
		400V	Kw (A)	_
C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	
2 4 Squitter edge motors. Starting, praggign, mening		400V		
			Kw (A)	
C-15 Control of a.c electromagnetic loads		230V	A	4
		400V	Α	3
ated breaking capability in AC-23A (cos φ=0,45)		230V	Α	72
		400V	А	72
nort circuit protection				
ated short time withstand current		Icw	A	150
ated short-circuit make capacity		Icm	A	-
ated conditional short-circuit current		-	kA	4
/ith fuses class gG		500V	Α	16
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/ -
eneral use current		le	UL/CSA A	12
		ic .		
nort circuit rating @600Vac			Arms	5000
ise size (Class RK5, 600Vac, 200kA A.I.C.)			A	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)
puese a paus		240V		
			Hp (A)	2 (6,8)
		480V	Hp (A)	3 (4,8)
		600V	Hp (A)	5 (6,1)
echanical characteristics				
anel tickness		Max	mm	4
lechanical life			Cycles x 10 ⁶	2
			Cycles/hr	120
annoction according to IEC 0474.1 and FN F0047.1			Cycles/III	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
		<u> </u>	Туре	M3,5
onnection terminal screw dimensions			Nm	1
onnection terminal screw dimensions				1
rew tightening torque			INIII	
rew tightening torque rotection degree IEC 529 EN 60529				
rew tightening torque otection degree IEC 529 EN 60529			IP	20
rew tightening torque				20
rew tightening torque otection degree IEC 529 EN 60529 erminals nbient conditions				20 -25 ÷ +5!
rew tightening torque otection degree IEC 529 EN 60529 rminals nbient conditions perating ambient temperature			IP °C	-25 ÷ +5
rew tightening torque otection degree IEC 529 EN 60529 rminals			IP	

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