

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. CR01200G3RT4



(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



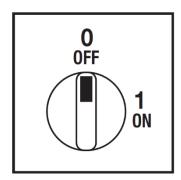
Technical characteristics: Body

- ON-OFF switch 3 pole with padlockable handle
- IP20 Protection degree
- Rated operational current le: 12A
 Rated thermal current lth: 16A
- Rated insulation voltage Ui: 690V
- · Base mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 90°
- 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.

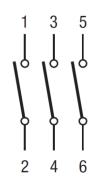
Technical characteristics: Knob

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

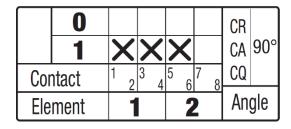
Positions



Electrical diagram



Electrical function



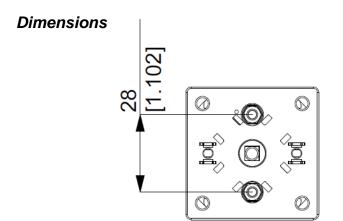


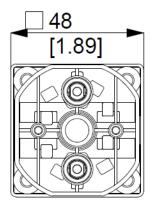
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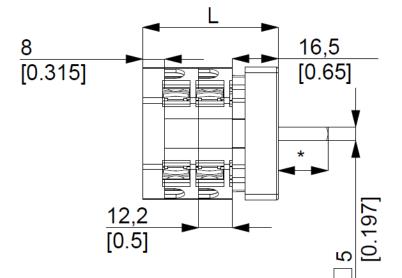
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measures in mm (in)

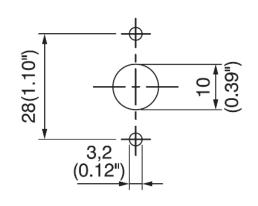


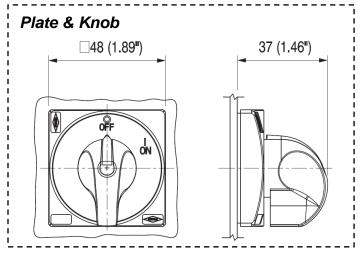




* Sporgenza / Ledge 18,00mm L Lunghezza / Length 48,90mm

Drilling templates







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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			Hz	50/60
ower dissipation for each pole			W	0,27
			VV	0,27
ated operating current		1-		12
C-21A Switching resistive loads, including moderate overloads		le	A	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				
AC-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)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	0,75 (8,5
		230V		
AC-2 Squirral cage maters: starting switching off maters during running 2 phase 2 pole			Kw (A)	1,5 (8,5)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	2,2 (7)
		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 Squirrer cage motors. Starting, pluggigh, miching		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	A	72
		400V	Α	72
nort circuit protection				
ated short time withstand current		lcw	A	150
ated short-circuit make capacity		Icm	Α	-
ated conditional short-circuit current		-	kA	4
/ith fuses class gG		500V	A	16
		3007		10
echnical data UL/CSA			/==	/
ated operating voltage		Ue	UL/CSA V	600/ -
eneral use current		le	UL/CSA A	12
nort circuit rating @600Vac			Arms	5000
ise size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
ated operating power				
			Hp (A)	0.5 (0.0)
		120V		U.5 (9.X)
		120V 240V		
phase - 2 pole		240V	Hp (A)	1,5 (10)
phase - 2 pole		240V 200V	Hp (A) Hp (A)	1,5 (10) 1,5 (6,9)
phase - 2 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A)	1,5 (10) 1,5 (6,9) 2 (6,8)
phase - 2 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A)	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8)
phase - 2 pole phase - 3 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A)	1,5 (6,9) 2 (6,8)
phase - 2 pole phase - 3 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A)	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8)
phase - 2 pole phase - 3 pole Iechanical characteristics anel tickness		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A)	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8)
phase - 2 pole phase - 3 pole lechanical characteristics		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1)
phase - 2 pole phase - 3 pole lechanical characteristics anel tickness		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1)
phase - 2 pole phase - 3 pole echanical characteristics unel tickness echanical life		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4
echanical characteristics In the tickness In the tickne	With flavible wires	240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120
phase - 2 pole phase - 3 pole echanical characteristics unel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 488V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4
phase - 2 pole phase - 3 pole echanical characteristics unel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10
phase - 2 pole phase - 3 pole echanical characteristics unel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability	With flexible wires With solid wires	240V 200V 240V 488V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm²	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6
phase - 2 pole phase - 3 pole lechanical characteristics anel tickness lechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4
phase - 2 pole phase - 3 pole lechanical characteristics anel tickness		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm²	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6
phase - 2 pole phase - 3 pole echanical characteristics mel tickness echanical life phase - 3 pole echanical characteristics mel tickness echanical life phase - 2 pole entering to lec 9471-1 and EN 50947-1 phase - 3 pole entering capability phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 3 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 3 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according to lec 9471-1 and EN 50947-1 phase - 2 pole echanical characteristics mention according		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
phase - 2 pole phase - 3 pole lechanical characteristics anel tickness lechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
phase - 2 pole phase - 3 pole echanical characteristics mel tickness echanical life phase - 3 mel tickness echanical life phase - 2 pole mention according to IEC 9471-1 and EN 50947-1 phase - 2 pole phase - 3 pole mention according to IEC 9471-1 and EN 50947-1 phase - 2 pole phase - 3 pole mention according to IEC 9471-1 and EN 50947-1 phase - 2 pole phase - 3 pole mention according to IEC 9471-1 and EN 50947-1 phase - 2 pole phase - 3 pole mention according to IEC 9471-1 and EN 50947-1 phase - 3 pole mention according to IEC 9471-1 and EN 50947-1 phase - 2 pole phase - 3 pole mention according to IEC 9471-1 and EN 50947-1 phase - 2 pole phase - 3 pole p		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
phase - 2 pole phase - 3 pole lechanical characteristics anel tickness lechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connecting capability connection terminal screw dimensions rew tightening torque cotection degree IEC 529 EN 60529 erminals mbient conditions		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
chase - 2 pole chanical characteristics inel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions rew tightening torque cotection degree IEC 529 EN 60529 connections connectio		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
chase - 2 pole chanical characteristics mel tickness chanical life chanical li		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1

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