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www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

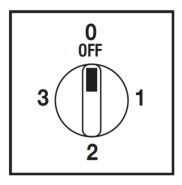
Cod. CR0120022RT4



(Image is purely indicative)



Positions



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



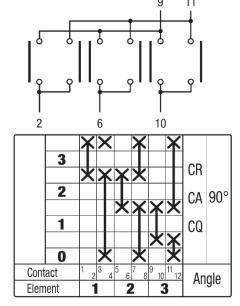
Technical characteristics: Body

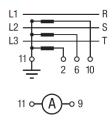
- Ammeter switch 1 pole 3 current transformers
- IP20 Protection degree
- Rated operational current le: 12A
- Rated thermal current Ith: 16ARated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 90°
- Class V2 self-extinguishing thermoplastic housing
- 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:- 2 screw at 28mm vertical

Electrical diagram and function





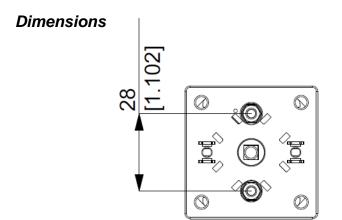


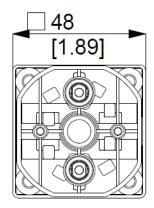
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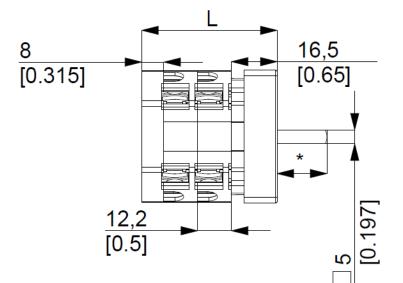
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measures in mm (in)

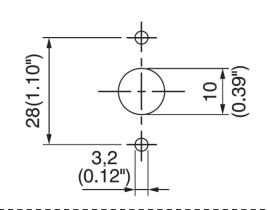


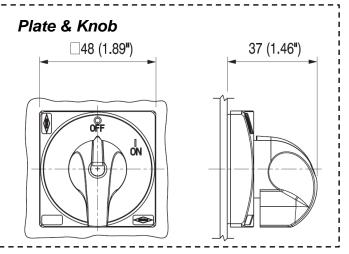




* Sporgenza / Ledge 18,00mm L Lunghezza / Length 61,00mm

Drilling templates







Bremas Ersce SpA

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yted inculation valtage				
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				
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
5 0 / / /		230V		
AC-2 Squirrel cage motors: starting switching off motors 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)
to square eage means stating, stateming of means adming a mining a presser a part		230V	Kw (A)	1,1 (6)
		400V	Kw (A)	
C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	
4 Squirrer cage motors. Starting, pluggign, inclining		400V		
			Kw (A)	
C-15 Control of a.c electromagnetic loads		230V	A	4
		400V	A	3
ated breaking capability in AC-23A (cos φ=0,45)		230V	Α	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
-		3001	^	10
echnical data UL/CSA			/054.1/	500/
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
nted operating power				
		120V	Hp (A)	0.5 (9.8)
		120V 240V	Hp (A)	
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	Нр (A) Нр (A) Нр (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	Нр (A) Нр (A) Нр (A)	1,5 (6,9) 2 (6,8)
phase - 2 pole phase - 3 pole lechanical characteristics		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 phase indical characteristics phase indical tharacteristics		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 echanical characteristics unel tickness		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)
phase - 2 pole phase - 3 pole echanical characteristics mel tickness echanical life		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) 4
phase - 2 pole phase - 3 pole echanical characteristics mel tickness echanical life phase - 3 pole	With flevible 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 mel tickness echanical life phase - 3 pole	With flexible wires	240V 200V 240V 480V 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 mel tickness echanical life phase - 3 pole		240V 200V 240V 488V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) 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
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 480V 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 echanical characteristics unel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability		240V 200V 240V 488V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) 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 connection according to IEC 9471-1 and EN 50947-1 connecting capability connection terminal screw dimensions		240V 200V 240V 488V 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 lechanical characteristics anel tickness		240V 200V 240V 488V 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
chase - 2 pole chanical characteristics chanical life chanical		240V 200V 240V 488V 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
chase - 2 pole chase - 3 pole chanical characteristics chall tickness chanical life chanical characteristics chanical life chanical lif		240V 200V 240V 488V 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 are we tightening torque cotection degree IEC 529 EN 60529 erminals mbient conditions		240V 200V 240V 488V 600V Max Min-Max	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 chanical life chanical 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 connection terminals connection degree IEC 529 EN 60529		240V 200V 240V 488V 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 chase - 3 pole chanical characteristics nel tickness chanical life chanicali		240V 200V 240V 488V 600V Max Min-Max	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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