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ISO 9001 Certified Quality System

Cod. CR03200G3BL6



(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



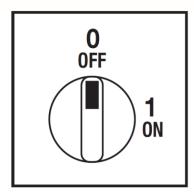
Technical characteristics: Body

- ON-OFF switch 3 pole with padlockable handle
- IP20 Protection degree
- Rated operational current le: 32A (AC-21A)
- · Rated thermal current Ith: 40A
- · Rated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 28mm vertical or DIN rail
- 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.

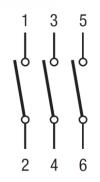
Technical characteristics: Knob

- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- IP66 Protection degree
- Fixing with 2 screw at 28mm vertical or 2 screw at 36mm horizontal

Positions



Electrical diagram



Electrical function

	0					CR	000
	1	X	X	X		CA	90°
Contact		1 2	3 4	5 6	7 8	CQ	
Element		1		2		Angle	



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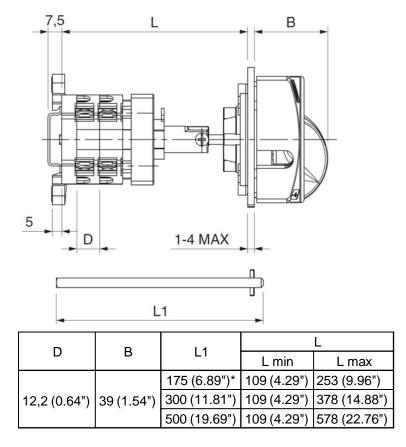
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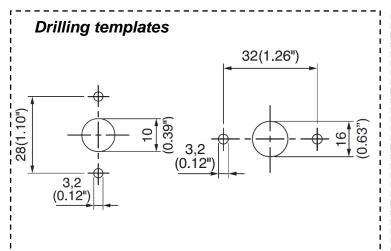
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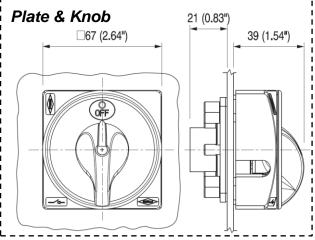
Dimensions

measures in mm (in)



- L: Overall length (min**/max with shaft mounted (L1)
- * Standard shaft, supplied in the packaging of the base mounting switches
- ** L min can be obtained by cutting shaft







Bremas Ersce SpA

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echnical data IEC 947-3 EN 60947-3 ated insulation voltage ated operating voltage ated dispulse withstand voltage ated dhermal current for open switch ated thermal current for enclosed switch ated operation frequency				
ated operating voltage ated impulse withstand voltage ated thermal current for open switch ated thermal current for enclosed switch		Ui	V	690
ated impulse withstand voltage ated thermal current for open switch ated thermal current for enclosed switch		Ue	V	690
ated thermal current for open switch ated thermal current for enclosed switch		Uimp	kV	6
ated thermal current for enclosed switch		Ith	Α	40
		Ithe	A	40
			Hz	50/60
ower dissipation for each pole			W	1
ated operating current				
C-21A Switching resistive loads, including moderate overloads		le	A	32
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	25
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)	8,5 (27)
, , , , , , , , , , , , , , , , , , , ,		400V	Kw (A)	15 (27)
		500V	Kw (A)	15 (22)
		690V	Kw (A)	15 (16)
C-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
2 22A Switching of Motor loads of other highly inductive loads 1 phase 2 pole		230V	Kw (A)	3,7 (20)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
20 Squares cage motors, starting, swatching on motors during running a priose - a pole		400V	Kw (A)	10 (17)
		500V	Kw (A)	10 (17)
		690V	Kw (A)	10 (14)
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,5 (17)
2 3 Squirrer cage motors. Starting, swatching on motors during running 1 phase 2 pole		230V	Kw (A)	3 (17)
		400V	Kw (A)	-
C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	2,2 (17)
5 4 Squirrer cage motors. Starting, praggign, mening		400V	Kw (A)	3 (5,5)
C-15 Control of a.c electromagnetic loads		230V	Α Α	8
2 13 Control of the electromagnetic loads		400V	A	6
ated breaking capability in AC-23A (cos φ=0,45)		230V	A	216
ited breaking capability in AC 25A (cos φ=0,45)		400V	A	216
nort circuit protection		1001	**	
ated short time withstand current		lcw	A	400
ated short-circuit make capacity		Icm	A	2000
ited conditional short-circuit current		-	kA	10
ith fuses class gG		500V	A	35
echnical data UL/CSA		5001	**	
ated operating voltage		Ue	UL/CSA V	600/600
eneral use current		le	UL/CSA A	35/25
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)	2 (24)
I pale		240V	Hp (A)	3 (17)
phase - 3 pole		200V	Hp (A)	5 (17,5)
bridge 5 pole		240V	Hp (A)	7,5 (22)
		480V	Hp (A)	10 (14)
		600V	Hp (A)	15 (17)
		0001	119 (2)	15 (17)
echanical characteristics		Max	mm	4
lechanical characteristics		IVIUA	******	
anel tickness			Cycles x 10 ⁶	1 15
nel tickness			Cycles x 10 ⁶ Cycles/hr	1,5 120
nel tickness echanical life			Cycles x 10 ⁶ Cycles/hr	1,5
nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1	With flexible wires	Min-May	Cycles/hr	120
nel tickness echanical life onnection according to IEC 9471-1 and EN 50947-1	With flexible wires	Min-Max Min-May	Cycles/hr mm²	120 2x2,5-10
nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1		Min-Max	Cycles/hr mm² AWG	2x2,5-10 14-8
nel tickness echanical life Innection according to IEC 9471-1 and EN 50947-1 Innecting capability	With flexible wires With solid wires		Cycles/hr mm² AWG mm²	2x2,5-10 14-8 2x2,5-16
nel tickness echanical life Innection according to IEC 9471-1 and EN 50947-1 Innecting capability Innection terminal screw dimensions		Min-Max	Cycles/hr mm² AWG mm² Type	120 2x2,5-10 14-8 2x2,5-16 M4
nnel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque		Min-Max	Cycles/hr mm² AWG mm²	2x2,5-10 14-8 2x2,5-16
nnettion according to IEC 9471-1 and EN 50947-1 onnection capability onnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529		Min-Max	Cycles/hr mm² AWG mm² Type Nm	120 2x2,5-10 14-8 2x2,5-16 M4 1,7
nnet tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque rotection degree IEC 529 EN 60529 erminals		Min-Max	Cycles/hr mm² AWG mm² Type	120 2x2,5-10 14-8 2x2,5-16 M4
nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals nbient conditions		Min-Max	Cycles/hr mm² AWG mm² Type Nm	120 2x2,5-10 14-8 2x2,5-16 M4 1,7
nel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1 nnecting capability nnection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals nbient conditions perating ambient temperature		Min-Max	Cycles/hr mm² AWG mm² Type Nm	120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20
nel tickness echanical life Innection according to IEC 9471-1 and EN 50947-1 Innecting capability Innection terminal screw dimensions The tightening torque Interction degree IEC 529 EN 60529 Irminals		Min-Max	Cycles/hr mm² AWG mm² Type Nm	120 2x2,5-10 14-8 2x2,5-16 M4 1,7

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