

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

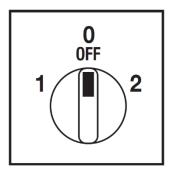
Cod. CR0200034RT6



(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



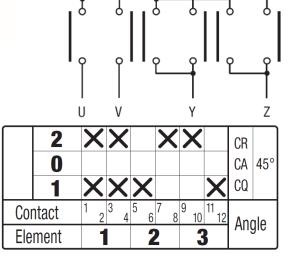
Technical characteristics: Body

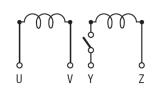
- Reversing switch single-phase motor + centrif.
- IP20 Protection degree
- Rated operational current le: 20A
- Rated thermal current Ith: 25A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic 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 67x67mm and black knob
- IP66 Protection degree
- Fixing:- 2 screw at 28mm vertical

Electrical diagram and function





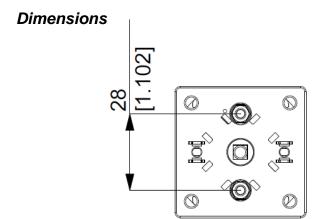


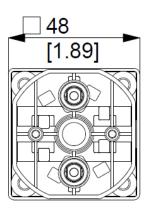
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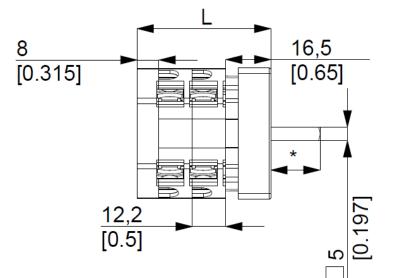
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measures in mm (in)

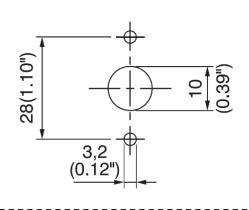


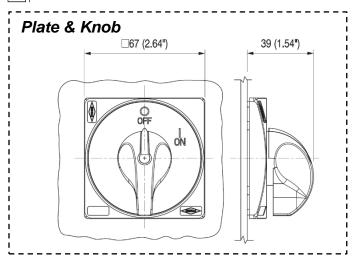




* Sporgenza / Ledge 18,00mm L Lunghezza / Length 61,00mm

Drilling templates







Bremas Ersce SpA

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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	25
Rated thermal current for enclosed switch		Ithe	Α	25
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	Α .	20
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	16
C-20A Connecting and disconnecting under no loads conditions				-
tated operating power NC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
AC-23A Switching of motor loads of other highly inductive loads 5 phase - 5 pole		400V	Kw (A)	9 (16)
		500V	Kw (A)	9 (13)
		690V	Kw (A)	9 (9)
C-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	1,1 (5)
C-23A Switching of motor loads of other nightly inductive loads 1 phase - 2 pole		230V	Kw (A)	3 (17)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	4 (13)
AC-5 Squirter Cage motors, starting, switching on motors during running 5 phase - 5 poie		400V	Kw (A)	7,5 (14)
		500V	Kw (A)	7,5 (14)
		690V	Kw (A)	7,5 (11)
.C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,1 (13)
. 5		230V	Kw (A)	2,2 (12)
		400V	Kw (A)	3,7 (12)
.C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	1,5 (4,5)
		400V	Kw (A)	2,2 (2,6)
AC-15 Control of a.c electromagnetic loads		230V	Α	7
		400V	Α	5
lated breaking capability in AC-23A (cos φ=0,45)		230V	Α	136
		400V	А	128
hort circuit protection				
Rated short time withstand current		lcw	Α	240
Rated short-circuit make capacity		Icm	Α	1500
tated conditional short-circuit current		-	kA	5
Vith fuses class gG		500V	Α	20
echnical data UL/CSA				
lated operating voltage		Ue	UL/CSA V	600/300
General use current		le	UL/CSA A	20/16
hort circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
lated operating power				/>
phase - 2 pole		120V	Hp (A)	1,5 (20)
		240V	Hp (A)	3 (17)
phase - 3 pole		200V	Hp (A)	5 (16,7)
		240V	Hp (A)	7,5 (22)
		480V	Hp (A)	10 (14)
Section test shows should be		600V	Hp (A)	10 (11)
Aechanical characteristics		*****		
anel tickness Aechanical life		Max	mm Cycles v 10 ⁶	2
nectianical ine		-	Cycles x 10 ⁶ Cycles/hr	120
connection according to IEC 9471-1 and EN 50947-1			Cycles/III	120
connection according to IEC 9471-1 and EN 30947-1	With flevible wires	Min May	mm²	2x1,5-4
connecting capacinity	With flexible wires	Min-Max Min-Max	AWG	2X1,5-4 16-10
	With solid wires	Min-Max	mm²	2x1,5-6
onnection terminal screw dimensions	with 2010 Mile?	IVIIII-IVIdX	Type	2X1,5-6 M3,5
crew tightening torque			Nm	1
rotection degree IEC 529 EN 60529			14111	L
erminals			IP	20
Ambient conditions			ir	L 20
Operating ambient temperature			°C	-25 ÷ +55
perating amount temperature				-25 ÷ +55
torage ambient temprature			٠/٠	
torage ambient temprature Vithstand to constant humid according to IEC 60068			°C	2-78

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