

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. CR016MZ14RT6



(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



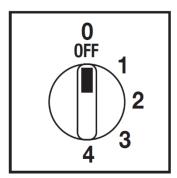
Technical characteristics: Body

- Multi step switch with OFF 1 pole 4 steps
- IP20 Protection degree
- Rated operational current le: 16A
- Rated thermal current Ith: 20A
- · Rated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 45°
 - 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.

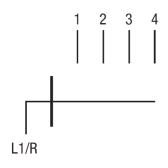
Technical characteristics: Knob

- Grey plate 67x67mm and black knob
- · IP66 Protection degree
- Fixing:- 2 screw at 28mm vertical

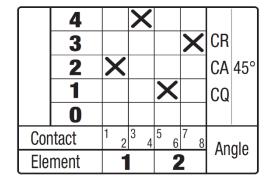
Positions



Electrical diagram



Electrical function



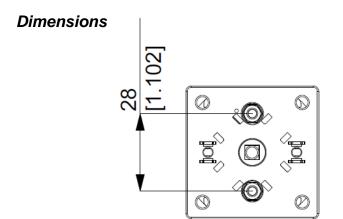


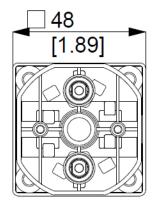
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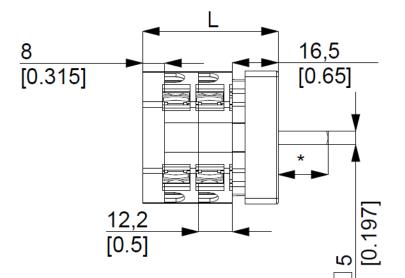
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measures in mm (in)

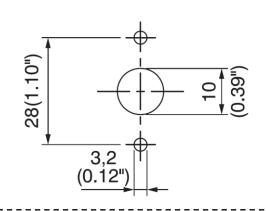


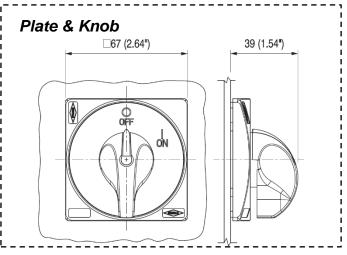




* Sporgenza / Ledge 18,00mm L Lunghezza / Length 48,90mm

Drilling templates





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Technical 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	A	20
Rated thermal current for enclosed switch	Ithe	Α Α	20
Rated operation frequency	Tale	Hz	50/60
Power dissipation for each pole		W	0,5
Rated operating current		**	0,3
AC-21A Switching resistive loads, including moderate overloads	le	A	16
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	le	A	16
AC-20A Connecting and disconnecting under no loads conditions			•
Rated operating power	2001		
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	230V	Kw (A)	4 (14)
	400V	Kw (A)	7,5 (14)
	500V	Kw (A)	-
	690V	Kw (A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole	110V	Kw (A)	1,1 (12)
	230V	Kw (A)	2,2 (14)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	230V	Kw (A)	3,7 (12)
	400V	Kw (A)	5,5 (10)
	500V 690V	Kw (A)	-
AC 2 Consisted across material statistics of material vision supplies 1 where 2 and 1		Kw (A)	
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		Kw (A)	0,75 (9)
	230V	Kw (A)	1,5 (8)
	400V 230V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		Kw (A)	-
	400V 230V	Kw (A)	-
AC-15 Control of a.c electromagnetic loads		Α	6
	400V	Α	4
Rated breaking capability in AC-23A (cos φ=0,45)	230V	Α	112
At a to the state	400V	A	112
Short circuit protection	·		
Rated short time withstand current	lcw .	A .	240
Rated short-circuit make capacity	Icm	A	-
Rated conditional short-circuit current	-	kA .	4
With fuses class gG	500V	Α	20
Technical data UL/CSA			
Rated operating voltage	Ue	UL/CSA V	600/-
General use current	le	UL/CSA A	16
Short circuit rating @600Vac		Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)		A	25 (30)
Rated operating power			
phase - 2 pole	120V	Hp (A)	1 (16)
	240V	Hp (A)	2 (12)
3 phase - 3 pole	200V	Hp (A)	2 (7,8)
	240V	Hp (A)	3 (9,6)
	480V	Hp (A)	7,5 (11)
	600V	Hp (A)	7,5 (9)
Mechanical characteristics			
Panel thickness	Max	mm	4
Mechanical life		Cycles x 10 ⁶ Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1		Cycles/III	120
· · ·	Min-Max	m2	251 5 4
Connecting capability With flexible wires		mm²	2x1,5-4
	Min-Max	AWG	16-10
With solid wires	Min-Max	mm²	2x1,5-6
connection terminal screw dimensions		Type	M3,5
		Nm	1
crew tightening torque			
Grew tightening torque Protection degree IEC 529 EN 60529			20
crew tightening torque Protection degree IEC 529 EN 60529 Ferminals		IP	
crew tightening torque Protection degree IEC 529 EN 60529 Terminals Uniform to conditions			
crew tightening torque rotection degree IEC 529 EN 60529 erminals unbient conditions operating ambient temperature		°C	-25 ÷ +55
crew tightening torque rotection degree IEC 529 EN 60529 erminals umbient conditions operating ambient temperature torage ambient temprature			-25 ÷ +55 -30 ÷ +70
crew tightening torque rotection degree IEC 529 EN 60529 erminals mbient conditions perating ambient temperature		°C	-25 ÷ +55