

Bremas Ersce SpA

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. CA0320010PL2

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

- Star-delta starter
- IP00 Protection degree
- Rated operational current le: 32A
- Rated thermal current Ith: 40A
- 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.



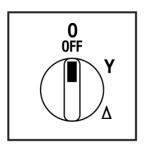
Technical characteristics: Knob

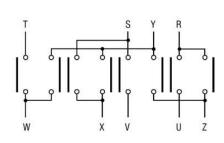
- Transparent plate 75,5x75,5mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP 40 Protection degree

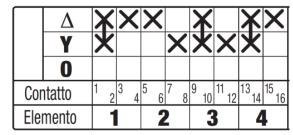
Positions

Electrical diagram

Electrical function









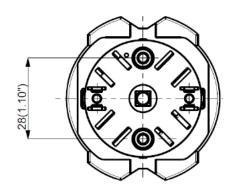
measures in mm (in)

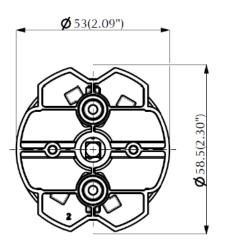
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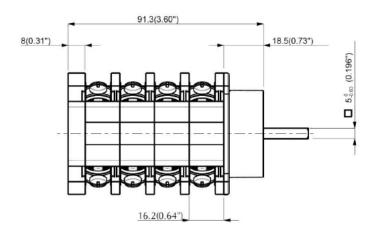
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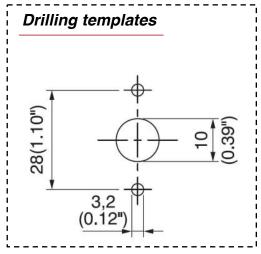
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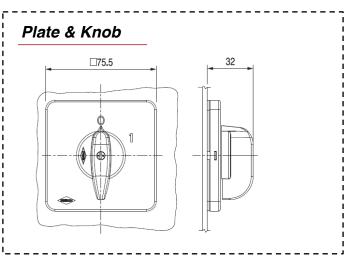
Dimensions











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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	A	40
ated thermal current for enclosed switch		Ithe	А	40
ated operation frequency			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				
AC-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)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	3,7 (20)
		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	10 (17)
		500V	KW (A)	10 (17)
		690V	Kw (A)	10 (14)
		110V	KW (A)	1,5 (17)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole				
		230V 400V	Kw (A)	3 (17)
			Kw (A)	
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	2,2 (17)
2450 + 1 6 - 1 + 1 + 1 + 1		400V	Kw (A)	3 (5,5)
AC-15 Control of a.c electromagnetic loads		230V	A	8
		400V	A	6
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	216
		400V	A	216
nort circuit protection				400
ated short time withstand current		lcw .	A	400
ated short-circuit make capacity		Icm	A	2000
ated conditional short-circuit current		-	kA	10
ith fuses class gG		500V	A	35
echnical data UL/CSA			/	/
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.)			Α	60
ated operating power				
phase - 2 pole		120V	Hp (A)	2 (24)
		240V	Hp (A)	3 (17)
3 phase - 3 pole		200V	Hp (A)	5 (17,5)
		240V	Hp (A)	7,5 (22)
		480V	Hp (A)	10 (14)
		600V	Hp (A)	15 (17)
echanical characteristics				
anel tickness		Max	mm	4
lechanical life			Cycles x 10 ⁶	1,5
			Cycles/hr	120
nnection according to IEC 9471-1 and EN 50947-1				
nnecting capability	With flexible wires	Min-Max	mm²	2x2,5-10
		Min-Max	AWG	14-8
	With solid wires	Min-Max	mm²	2x2,5-16
nnection terminal screw dimensions			Туре	M4
office tion terminal screw differisions	·		Nm	1,7
rinection terminal screw uniteristoris rew tightening torque otection degree IEC 529 EN 60529				
rew tightening torque			IP	00
rew tightening torque otection degree IEC 529 EN 60529			IP	00
rew tightening torque otection degree IEC 529 EN 60529 rminals nbient conditions			IP °C	
rew tightening torque otection degree IEC 529 EN 60529 rminals				-25 ÷ +55
rew tightening torque otection degree IEC 529 EN 60529 rminals nbient conditions perating ambient temperature			°C	-25 ÷ +55 -30 ÷ +70 2-78

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