

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. CA0160009PL2

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

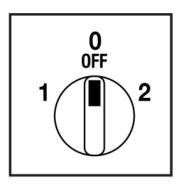
- Changing switch Dahlander pole
- IP00 Protection degree
- Rated operational current le: 16A
- Rated thermal current Ith: 20A
- Rated insulation voltage Ui: 690V
- · Rear Mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.



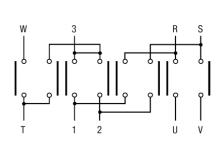
Technical characteristics: Knob

- Transparent plate 75,5x75,5mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP40 protection degree

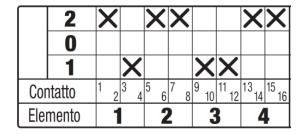
Positions



Electrical diagram



Electrical function





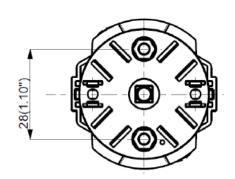
measures in mm (in)

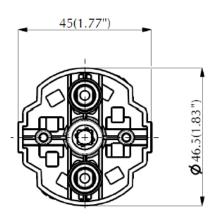
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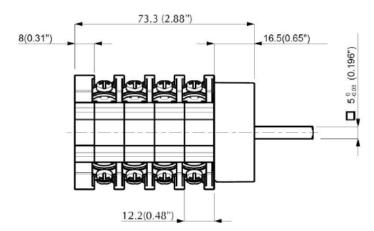
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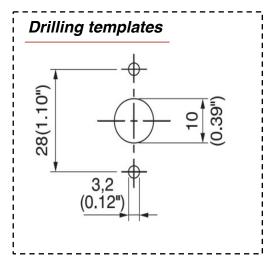
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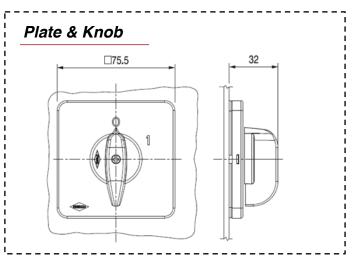
Dimensions











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echnical data IEC 947-3 EN 60947-3				
sted insulation voltage		Ui	V	690
oted operating voltage		Ue	V	690
ited impulse withstand voltage		Uimp	kV	6
ted thermal current for open switch		Ith	Α	20
ted thermal current for enclosed switch		Ithe	А	20
ted operation frequency			Hz	50/60
wer dissipation for each pole			W	0,5
			vv .	0,3
ated operating current				
C-21A Switching resistive loads, including moderate overloads		le	A	16
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	16
C-20A Connecting and disconnecting under no loads conditions				-
ted operating power				
2-23A 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	Kw (A)	
		-		
2 Squirral case meters starting statishing off meters during supplied 4 starting 2 and		690V	Kw (A)	0.75 (0)
-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	0,75 (9)
		230V	Kw (A)	1,5 (8)
		400V	Kw (A)	-
-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	-
		400V	Kw (A)	-
-15 Control of a.c electromagnetic loads		230V	Α	6
		400V	Α	4
ted breaking capability in AC-23A (cos φ=0,45)		230V	Α	112
		400V	Α	112
ort circuit protection				
ated short time withstand current		lcw	Α	240
ted short-circuit make capacity		Icm	А	-
ted conditional short-circuit current		-	kA	4
ith fuses class gG		500V	А	20
chnical data UL/CSA				
			111 /CCA 1/	coo/
ted operating voltage		Ue	UL/CSA V	600/ -
neral use current		le	UL/CSA A	16
ort circuit rating @600Vac			Arms	5000
se size (Class RK5, 600Vac, 200kA A.I.C.)			Α	25 (30)
ted operating power				
hase - 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	Нр (А)	7,5 (11)
		600V	Hp (A)	7,5 (11)
chanical characteristics		0004	TIP (A)	7,5 (5)
		May	mm	А
nel thickness		Max	mm Curles v 10f	4
echanical life			Cycles x 10 ⁶	2
			Cycles/hr	120
nnection according to IEC 9471-1 and EN 50947-1				
necting capability	With flexible wires	Min-Max	mm²	2x1,5-4
		Min-Max	AWG	16-10
	With solid wires	Min-Max	mm²	2x1,5-6
nnection terminal screw dimensions			Туре	M3,5
			Nm	1
ew tightening torque				
ew tightening torque tection degree IEC 529 EN 60529			IP	00
rew tightening torque Dection degree IEC 529 EN 60529 rminals			IP	00
ew tightening torque stection degree IEC 529 EN 60529 minals bient conditions				
ew tightening torque tection degree IEC 529 EN 60529 minals bient conditions erating ambient temperature			°C	-25 ÷ +5
ew tightening torque tection degree IEC 529 EN 60529 minals				