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 Bremas Ersce SpA

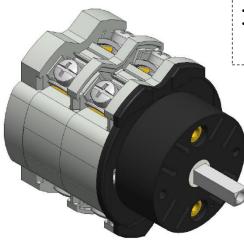
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 info@bremas.it

ISO 9001 Certified Quality System

Cod. CA0320002PL2



(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

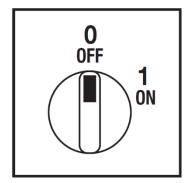
Technical characteristics: Body

- ON-OFF swtch 2 pole
- IP00 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
- 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.

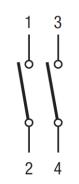
Technical characteristics: Knob

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

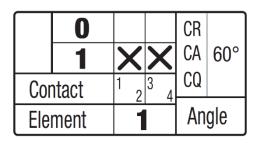
Positions



Electrical diagram



Electrical function



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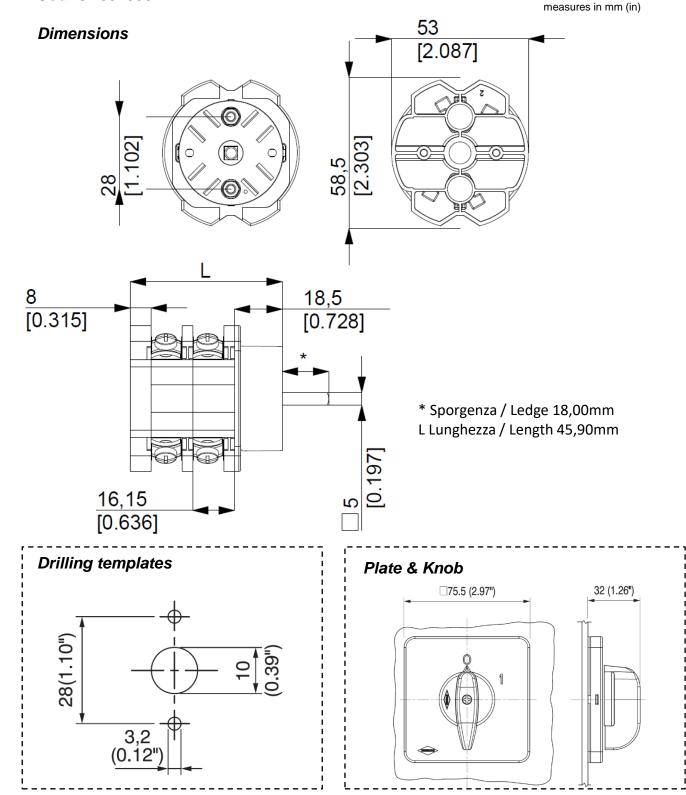
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Fechnical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	690
ated operating voltage		Ue	V	690
ated impulse withstand voltage		Uimp	kV	6
tated thermal current for open switch		Ith	A	40
tated thermal current for enclosed switch		Ithe	А	40
ated operation frequency			Hz	50/60
ower dissipation for each pole			W	1
tated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	A	32
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	25
AC-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)
		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)
· ·		400V	Kw (A)	10 (17)
		500V	Kw (A)	10 (14)
		690V	Kw (A)	10 (10)
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,5 (17)
· ·		230V	Kw (A)	3 (17)
		400V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	2,2 (17)
		400V	Kw (A)	3 (5,5)
AC-15 Control of a.c electromagnetic loads		230V	А	8
		400V	А	6
ated breaking capability in AC-23A (cos φ=0,45)		230V	А	216
		400V	А	216
hort circuit protection				
Rated short time withstand current		lcw	А	400
ated short-circuit make capacity		lcm	А	2000
ated conditional short-circuit current		-	kA	10
Vith fuses class gG		500V	А	35
echnical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
Seneral use current		le	UL/CSA A	35/25
hort circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			А	60
Rated operating power				
phase - 2 pole		120V	Hp (A)	2 (24)
		240V	Hp (A)	3 (17)
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)
Aechanical characteristics				
anel tickness		Max	mm	4
Aechanical life			Cycles x 10 ⁶	1,5
			Cycles/hr	120
onnection according to IEC 9471-1 and EN 50947-1				
onnecting capability	With flexible wires	Min-Max	mm²	2x2,5-10
		Min-Max	AWG	14-8
	With solid wires	Min-Max	mm²	2x2,5-16
onnection terminal screw dimensions			Туре	M4
crew tightening torque			Nm	1,7
Protection degree IEC 529 EN 60529				,
erminals			IP	00
mbient conditions				
			°C	-25 ÷ +55
			L	
Operating ambient temperature				
Diperating ambient temperature Jorage ambient temperature Vithstand to constant humid according to IEC 60068			°C	-30 ÷ +70 2-78

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