

Bremas Ersce SpA

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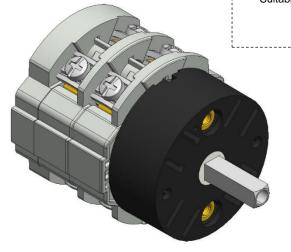
ISO 9001 Certified Quality System

Cod. CA0120004PL1

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





(Image is purely indicative)



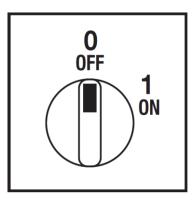
Technical characteristics: Body

- ON-OFF switch 4 pole
- IP00 Protection degree
- Rated operational current le: 12A (AC-21A)
- Rated thermal current Ith: 16A
- Rated insulation voltage Ui: 690V
- · Panel 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.

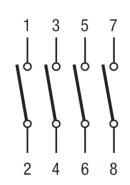
Technical characteristics: Knob

- Transparent plate 52x52mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP 40 Protection degree

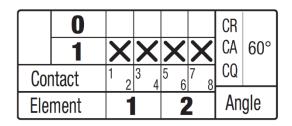
Positions



Electrical diagram



Electrical function



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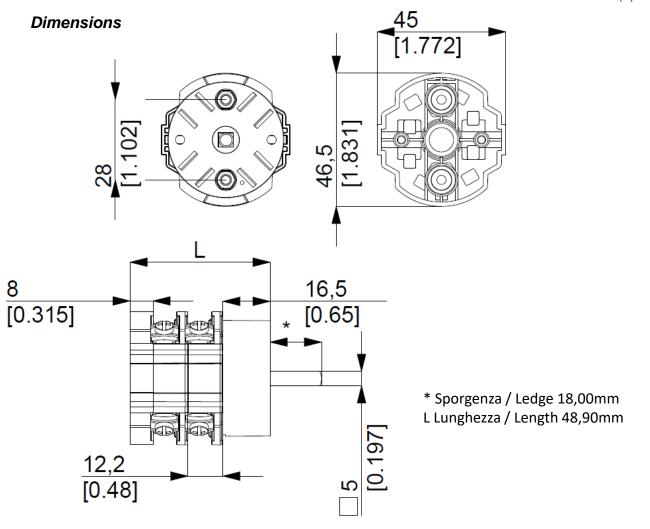
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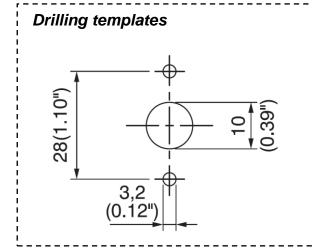
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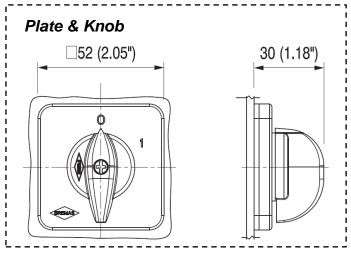
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measures in mm (in)









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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	16
Rated thermal current for enclosed switch		Ithe	Α	16
lated operation frequency			Hz	50/60
Power dissipation for each pole			W	0.27
Rated operating current				ı
AC-21A Switching resistive loads, including moderate overloads		le	A	12
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	12
C-20A Connecting and disconnecting under no loads conditions				-
lated operating power		2201		2 (0)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	3 (9)
		400V	Kw (A)	4 (9)
		500V 690V	Kw (A)	-
			Kw (A)	
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	0,75 (8,5)
		230V	Kw (A)	1,5 (8,5)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		230V 400V	Kw (A)	2,2 (7)
		500V	Kw (A)	3,5 (7)
		690V	Kw (A)	
		110V	Kw (A)	0,37 (4)
AC-4 Squirrel cage motors: starting, switching on motors during running 1 phase - 2 pole AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	1,1 (6)
		400V	Kw (A)	
		230V	Kw (A)	-
e i squirer cage motors, starting, praggign, morning		400V	Kw (A)	_
AC-15 Control of a.c electromagnetic loads		230V	Α	4
ne 15 control of all electromagnetic loads		400V	A .	3
ated breaking capability in AC-23A (cos φ=0,45)		230V	A	72
		400V	A	72
hort circuit protection				
tated short time withstand current		lcw	A	150
tated short-circuit make capacity		lcm	A	-
ated conditional short-circuit current		-	kA	4
Vith fuses class gG		500V	Α	16
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/ -
Seneral use current		le	UL/CSA A	12
hort circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
ated operating power				
phase - 2 pole		120V	Hp (A)	0,5 (9,8)
		240V	Hp (A)	1,5 (10)
B phase - 3 pole		200V	Hp (A)	1,5 (6,9)
		240V	Hp (A)	2 (6,8)
		480V	Hp (A)	3 (4,8)
		600V	Hp (A)	5 (6,1)
Mechanical characteristics				<u> </u>
anel tickness		Max	mm	4
Mechanical life			Cycles x 10 ⁶	2
			Cycles/hr	120
connection according to IEC 9471-1 and EN 50947-1			2	
onnecting capability	With flexible wires	Min-Max	mm²	2x1,5-4
		Min-Max	AWG	16-10
	With solid wires	Min-Max	mm²	2x1,5-6
			Type	M3,5
				1
crew tightening torque			Nm	1
crew tightening torque rotection degree IEC 529 EN 60529				
connection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529 erminals			Nm IP	00
crew tightening torque rotection degree IEC 529 EN 60529 erminals umbient conditions			IP	00
crew tightening torque rotection degree IEC 529 EN 60529 erminals umbient conditions operating ambient temperature			IP °C	00 -25 ÷ +55
crew tightening torque rotection degree IEC 529 EN 60529 erminals unbient conditions			IP	00

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