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ISO 9001 Certified Quality System

# Cod. CA0250008S31

#### Standard and Approvals

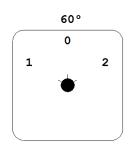
- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller



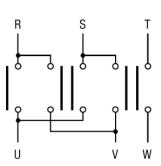
# Technical characteristics: Body

- Side-operated ABS box
- IP65 Protection degree
- Rated operational current le: 25A
- Rated thermal current Ith: 32A
- Rated insulation voltage Ui: 690V
- Knockout holes: 2xM20 and 2xPg16 / M20
- 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.

#### Positions



#### Electrical diagram



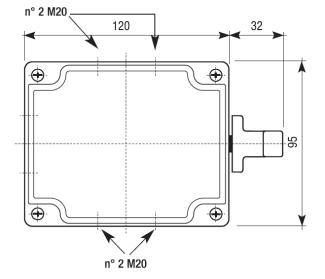
# **Electrical function**

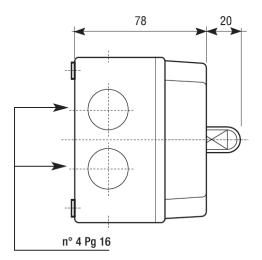


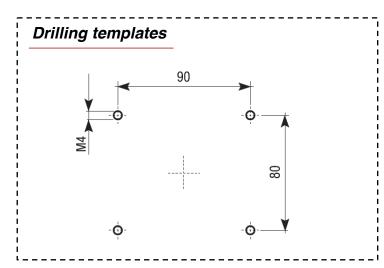
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## Dimensions







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BREMAS

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measures in mm (in)



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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		lth	A	32
Rated thermal current for enclosed switch		Ithe	A	32
Rated operation frequency		itile	Hz	50/60
Power dissipation for each pole			W	1
Rated operating current				-
AC-21A Switching resistive loads, including moderate overloads		le	A	25
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	20
AC-20A Connecting and disconnecting under no loads conditions				-
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	7,5 (24)
		400V	Kw (A)	11 (20)
		500V	Kw (A)	11 (15)
		690V	Kw (A)	11 (11)
AC-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)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
to a second starting, switching on motors during running a phase - a pole		400V	Kw (A)	9,5 (16)
			KW (A) KW (A)	9,5 (10) 9,5 (12,5)
			KW (A) KW (A)	
AC 2 Squirral case metars: starting sutishing off metars during suming 1 where - 2 hole				8,5 (10)
AC-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	A	8
		400V	A	6
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	192
		400V	A	160
Short circuit protection				
Rated short time withstand current		lcw	A	400
Rated short-circuit make capacity		Icm	Α	2000
Rated conditional short-circuit current		-	kA	10
With fuses class gG		500V	Α	35
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	25/25
Short circuit rating @600Vac			Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
Rated operating power				
1 phase - 2 pole		120V	Hp (A)	2 (24)/-
		240V	Hp (A)	3 (17)/6
3 phase - 3 pole		200V	Hp (A)	5 (17,5)/-
		240V	Hp (A)	7,5 (22)/-
		480V	Hp (A)	10 (14)/-
		600V	Hp (A)	10 (11)/15
Mechanical characteristics				
Panel tickness		Max	mm	4
Mechanical life			Cycles x 10 <sup>6</sup>	1,5
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1				
Connecting capability	With flexible wires	Min-Max	mm²	2x2,5-10
		Min-Max	AWG	14-8
	With solid wires	Min-Max	mm²	2x2,5-16
Connection terminal screw dimensions	that solid wires		Туре	M4
Screw tightening torque			Nm	1,7
Protection degree IEC 529 EN 60529			1911	1,/
Forminals			IP	00
			11*	00
Ambient conditions			°C	25
Operating ambient temperature			°C	-25 ÷ +55
Storage ambient temprature			°C	-30 ÷ +70
Nithstand to constant humid according to IEC 60068				
Withstand to constant humid according to IEC 60068 Withstand to cyclic humid according to IEC 60068				2-78 2-30

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