

 Bremas Ersce SpA

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ISO 9001 Certified Quality System

#### Cod. SB0324B110AK6

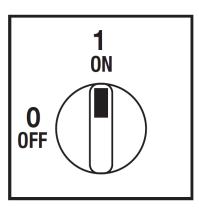
## Standard and Approvals

- 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





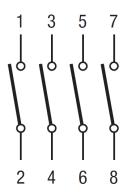
# Plate and position



#### Technical characteristics

- ON-OFF 3+N
- ABS double insulation thermoplastic enclosure
- Rated operational current In: 32A
- Rated thermal current Ith: 32A
- Rating insulation voltage: 690V
- · Positive opening double break contacts, silver alloy made
- Grey plate 48x48mm and black padlockable knob (max. 3 padlocks)
- Switching angle: 90°
- Cover interlock in "ON" position
- · Front drive
- IP65 Protection degree
- Fixing enclosure: 4 screw at 80x98mm

#### Electrical scheme

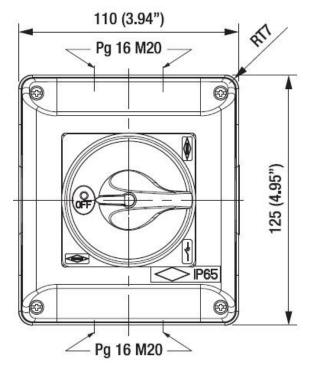


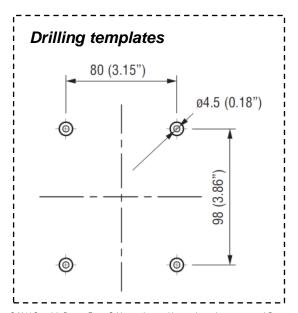
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### Dimensions





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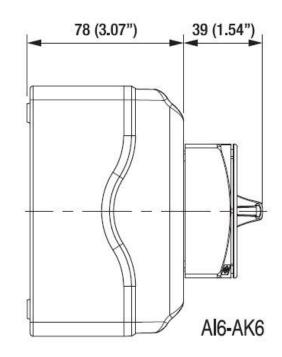
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measures in mm (in)





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Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	800
Rated operating voltage		Ue	V	800
Rated impulse withstand voltage		Uimp	kV	8
Rated thermal current for open switch		Ith	А	32
Rated thermal current for enclosed switch		Ithe	А	32
Rated operation frequency			Hz	50/60
Power dissipation for each pole			w	1,3
Rated operating current le				
AC-21A Switching resistive loads, including moderate overloads	690V	le	А	32
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	A	32
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads		400V	Kw (A)	11 (22)
		690V	Kw (A)	11 (16)
AC-3 Squirrel cage motors: starting, switching off motors during running		400V	Kw (A)	7,5 (14)
		690V	Kw (A)	7,5 (8)
Rated breaking capability in category AC-23A (cos φ=0,45)		400V	А	176
		690V	А	128
Short circuit protection				
Rated short time withstand current (1s)		lcw	А	400
Rated short-circuit make capacity		lcm	А	750
Rated conditional short-circuit current			kA	10
With fuses class gG		500V	А	32
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	v	600
General use current	600Vac	le	А	30
Rated operating power				
1 phase - 2 pole 3 phase - 3 pole		120V	Hp/FLA	1,5 / -
		240V	Hp/FLA	3/-
		200V	Hp/FLA	-/-
		240V	Hp/FLA	7,5 / 22
		480V	Hp/FLA	15 / 21
		600V	Hp/FLA	20 / 22
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	30
Short Circuit Rating@600Vac			kA	5
Mechanical characteristics				
		Operations x10 <sup>6</sup>		0,03
Mechanical life (120 cycles/hour)		Min-Max	mm2	1,5 - 10
Connecting capability with flexible wires		Min-Max	mm2	1,5 - 16
Connecting capability with solid wires		Min-Max	AWG	16/08
Connecting capability with flexible wires		Min-Max	AWG	16/08
Connecting capability with solid wires		WIIII-IVIdA	700	16/06 M4
Terminal screw			Nm	1,7
Screw tightening torque			lbf-in	1,7
				12
Protection degree IEC 529 EN 60529 Terminals				IP20
				IP66
Handles				
Ambient conditions			°C	-25 ÷ +55
Operational ambient temperature			°C	-25 ÷ +55
Storage ambient temperature			L	-25 ÷ +55 sec. IEC 60068-2-78
Withstand to constant humid according to IEC 60068				
Withstand to cycling humid according to IEC 60069				sec. IEC 60068-2-30

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