Bremas Ersce SpA

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ISO 9001 Certified Quality System

Cod. SB0403B110AL6

Standard and Approvals

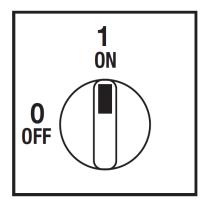
- · Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller







Plate and position



Technical characteristics

- ON-OFF 3P
- ABS double insulation thermoplastic enclosure
- Rated operational current In: 40A
- Rated thermal current Ith: 40A
- Rating insulation voltage: 690V
- Positive opening double break contacts, silver alloy made
- Yellow plate 48x48mm and red 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



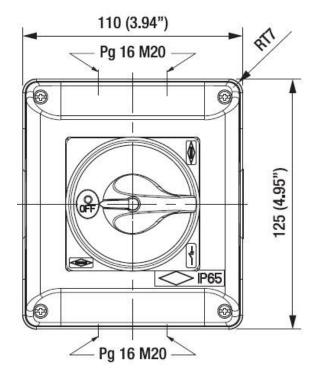
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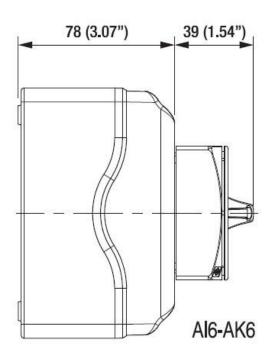
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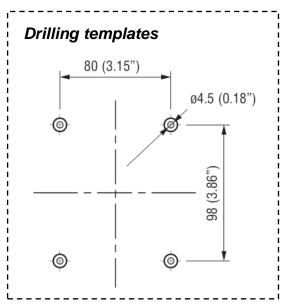
measures in mm (in)

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Dimensions







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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	Α	40
Rated thermal current for enclosed switch		Ithe	Α	40
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	2,5
Rated operating current le				
AC-21A Switching resistive loads, including moderate overloads	690V	le	Α	40
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	Α	40
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads		400V	Kw (A)	15 (28)
		690V	Kw (A)	15 (18)
AC-3 Squirrel cage motors: starting, switching off motors during running		400V	Kw (A)	11 (21)
		690V	Kw (A)	11 (12)
Rated breaking capability in category AC-23A (cos φ=0,45)		400V	А	228
		690V	А	144
Short circuit protection				
Rated short time withstand current (1s)		lcw	А	500
Rated short-circuit make capacity		Icm	А	750
Rated conditional short-circuit current			kA	10
With fuses class gG		500V	А	40
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	V	600
General use current	600Vac	le	А	40
Rated operating power				
1 phase - 2 pole		120V	Hp/FLA	-/-
1 pilase - 2 pole		240V	Hp/FLA	-/-
3 phase - 3 pole		200V	Hp/FLA	-/-
		240V	Hp/FLA	-/-
		480V	Hp/FLA	-/-
		600V	Hp/FLA	10 / 11
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			Α	40
Short Circuit Rating@600Vac			kA	10
Mechanical characteristics				
Mechanical life (120 cycles/hour)		Operations x10 ⁶		0,03
Connecting capability with flexible wires		Min-Max	mm2	1,5 - 10
Connecting capability with solid wires		Min-Max	mm2	1,5 - 16
Connecting capability with flexible wires		Min-Max	AWG	16/08
Connecting capability with solid wires		Min-Max	AWG	16/06
Terminal screw				M4
Screw tightening torque			Nm	1,7
5 5 mm		-	lbf-in	12
Protection degree IEC 529 EN 60529				
Terminals				IP20
Handles				IP66
Ambient conditions				
Operational ambient temperature			°C	-25 ÷ +55
Storage ambient temperature			°C	-25 ÷ +55
Withstand to constant humid according to IEC 60068				sec. IEC 60068-2-78
Withstand to cycling humid according to IEC 60069				sec. IEC 60068-2-30