

Bremas Ersce SpA Via castellazzo 9 - 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.eu info@bremas.it

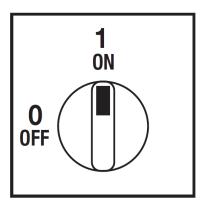
ISO 9001 Certified Quality System

## Cod. DS0323BFK6





# Plate and position



### 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

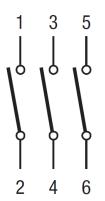
### Technical characteristics: Body

- Disconnect switch 3P
- IP20 protection degree
- Rating operational current le: 32A (AC-21A)
- Rating thermal current Ith: 32A
- Rating insulation voltage: 690V
- Base Mounting
- Fixing: with screws
  - Din rail
- Switching angle: 90°
- Positive opening double break contacts, silver alloy made.
- Self-extinguishing class V2

#### Technical characteristics: Plate and knob

- Grey plate 67x67mm and black padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Quick fixing Ø22mm (0,87")

## Electrical scheme



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measures in mm (in)

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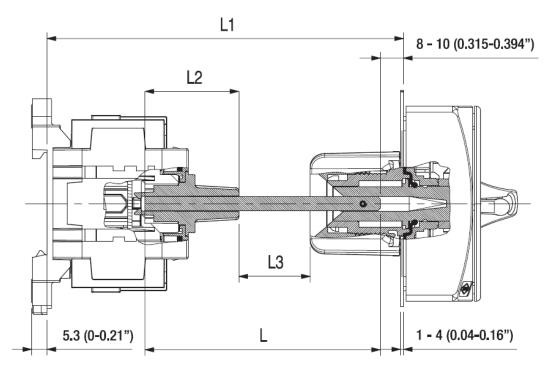
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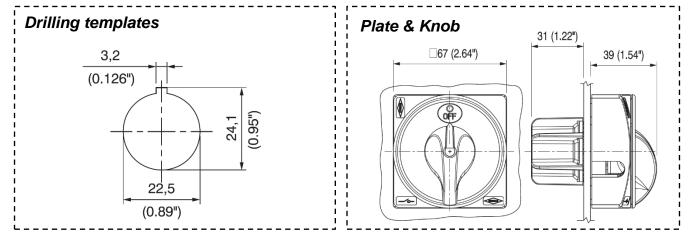
## Dimensions



To determine the cut length L of the shaft, consider the following guidelines: L3  $\ge$  1mm 12mm  $\le$  L2  $\le$  32mm

L min.	L max.		
92 [3.63]	227 [8.94]		

In practice: L1 - 61mm  $\leq$  L  $\leq$  L1 - 41mm



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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	A	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	ably industive leads 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)
AC-3 squarer cage motors, starting, switching on motors during running	690V	Kw (A)	7,5 (8)
- 	400V	А	176
Rated breaking capability in category AC-23A (cos $\phi$ =0,45)	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			
	120V	Hp/FLA	1,5 / -
1 phase - 2 pole	240V	Hp/FLA	3 / -
	200V	Hp/FLA	-/-
	240V	Hp/FLA	7,5 / 22
3 phase - 3 pole	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)		А	30
Short Circuit Rating@600Vac		kA	5
Mechanical characteristics			
Mechanical life (120 cycles/hour)	Operations x10 <sup>6</sup>		0,03
Connecting capability with flexible wires	Min-Max	mm2	1,5 - 10
Connecting capability with relative wires	Min-Max	mm2	1,5 - 16
Connecting capability with flexible wires	Min-Max	AWG	16/08
Connecting capability with heribie wires	Min-Max	AWG	16/06
Terminal screw		-	M4
Screw tightening torque		Nm	1,7
		lbf-in	12
Protection degree IEC 529 EN 60529			
Terminals			IP20
Handles			IP66
Ambient conditions			
Ambient conditions Operational ambient temperature		°C	-25 ÷ +55
		°C	-25 ÷ +55
Storage ambient temperature		<u> </u>	sec. IEC 60068-2-78
Withstand to constant humid according to IEC 60068			sec. IEC 60068-2-78
Withstand to cycling humid according to IEC 60069			JCC. ILC 00000-2-30

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