

# Bremas Ersce SpA Via castellazzo 9 - 2004

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ISO 9001 Certified Quality System

#### Cod. DS0324BFL6

## 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

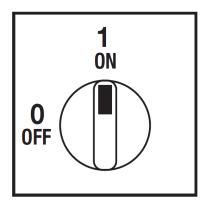
- Disconnect switch 3+N
- IP20 protection degree
- Rating operational current le: 32A (AC-21A)
- Rating thermal current Ith: 32A
- Rating insulation voltage: 690V
- Base Mounting
- Fixing: with screws
  - Din rail
- Switching angle: 90°
- · Positive opening double break contacts, silver alloy made.
-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



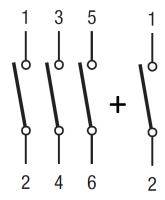
- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Quick fixing Ø22mm (0,87")



### Plate and position



#### Electrical scheme



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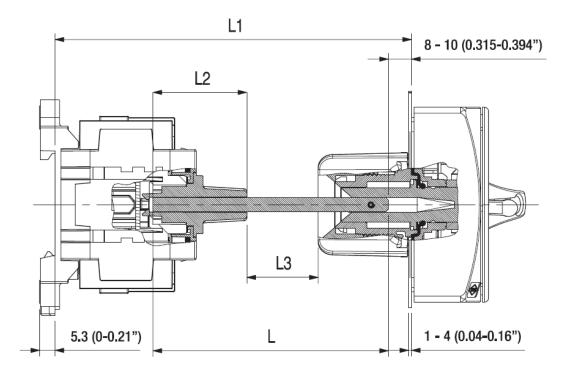
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measures in mm (in)

#### **Dimensions**

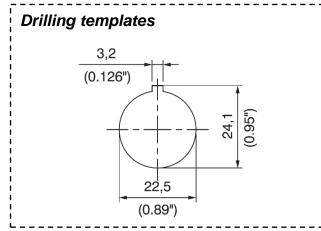


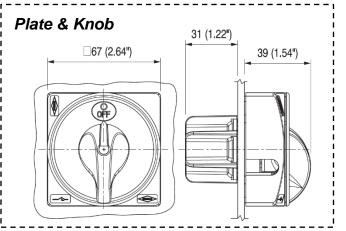
To determine the cut length L of the shaft, consider the following guidelines:

L3 ≥ 1mm 12mm ≤ L2 ≤ 32mm

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

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







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echnical 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	Α	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	Α	32
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	Α	32
Rated operating power				
AC 224 Switching of motor loads or other highly industries loads		400V	Kw (A)	11 (22)
AC-23A Switching of motor loads or other highly inductive loads		690V	Kw (A)	11 (16)
		400V	Kw (A)	7,5 (14)
AC-3 Squirrel cage motors: starting, switching off motors during running		690V	Kw (A)	7,5 (8)
		400V	A	176
Rated breaking capability in category AC-23A (cos φ=0,45)		690V	A	128
Short circuit protection				
Rated short time withstand current (1s)		Icw	A	400
Rated short-circuit make capacity		Icm	А	750
Rated conditional short-circuit current			kA	10
With fuses class gG		500V	A	32
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	V	600
General use current	600Vac	le	A	30
	OOOVAC	-		
Rated operating power		120V	Hp/FLA	1,5 / -
I 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
ine protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			Α	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 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
Ferminal screw				M4
Screw tightening torque			Nm	1,7
			lbf-in	12
Protection degree IEC 529 EN 60529				
Ferminals				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-
Withstand to cycling humid according to IEC 60069				sec. IEC 60068-2-

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