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. DS0323BAK6

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

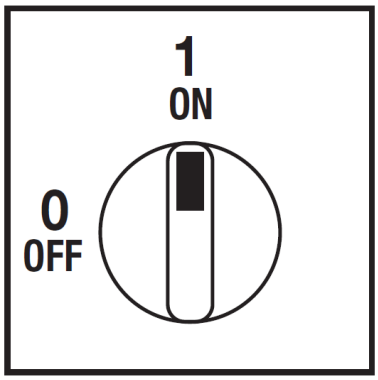
Technical characteristics: Body

- Disconnect switch 3P
- IP20 protection degree
- Rating operational current Ie: 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

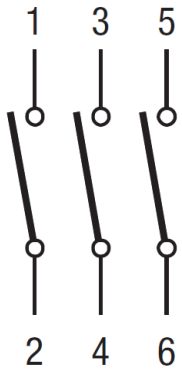
Technical characteristics: Plate and knob

- Grey plate 67x67mm and black padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Fixing with 2 screw 28mm (1,10'') vertical or 32mm (1,26'') horizontal

Plate and position



Electrical scheme



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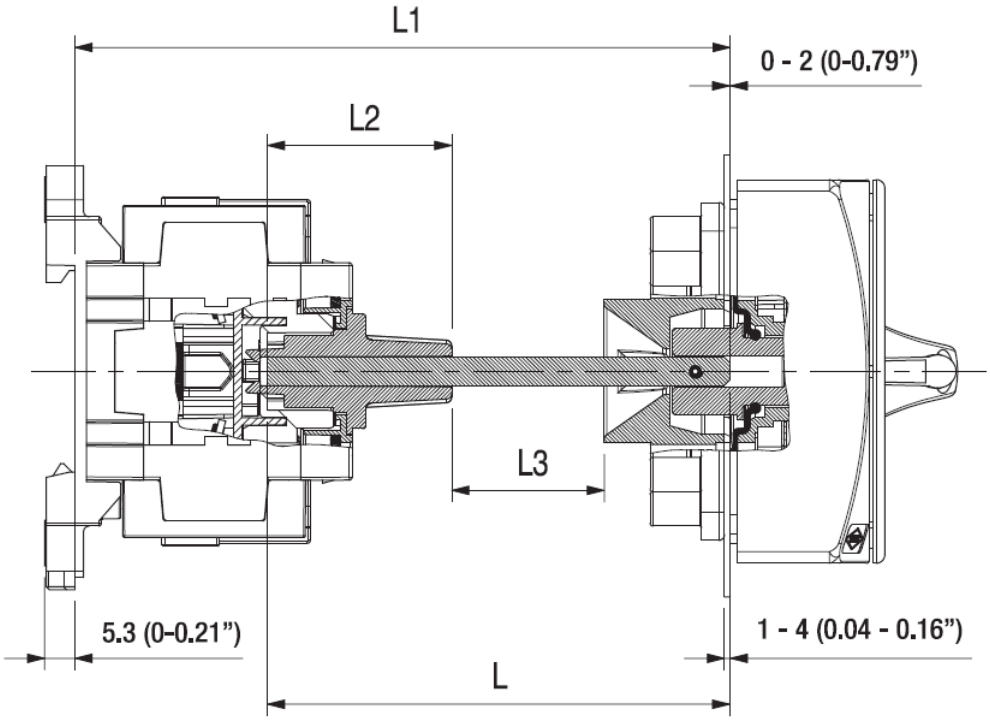
measures in mm (in)

Dimensio



Cutting length of the extension shaft

The base mounting execution is provided with integrated control knob and includes the housing for the shaft and the fixing screw. The depth of insertion of the shaft in the housing has a tolerance of about 20mm, this allows to reduce the need and the precision of the cutting to size (dimension L) of the shaft.

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

L3 ≥ 1mm
12mm ≤ L2 ≤ 32mm

In practice: L1 - 53mm ≤ L ≤ L1 - 33mm

Drilling templates

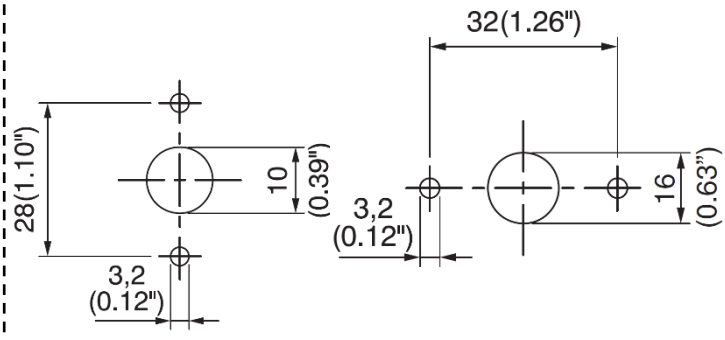
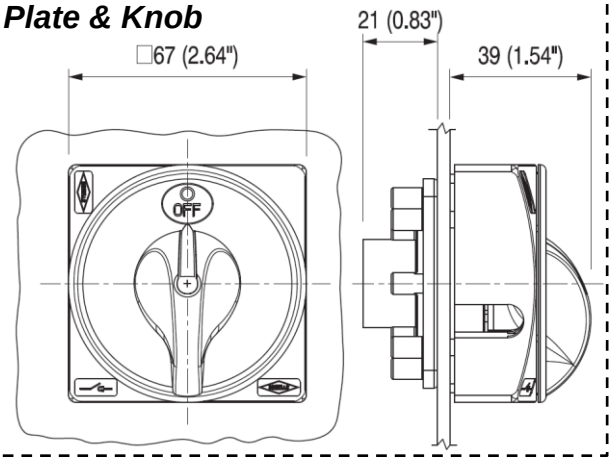


Plate & Knob



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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	A	32
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1,3
Rated operating current Ie				
AC-21A Switching resistive loads, including moderate overloads	690V	Ie	A	32
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	Ie	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	A	176
		690V	A	128
Short circuit protection				
Rated short time withstand current (1s)		Icw	A	400
Rated short-circuit make capacity		Icm	A	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	Ie	A	30
Rated operating power				
1 phase - 2 pole		120V	Hp/FLA	1,5 / -
		240V	Hp/FLA	3 / -
3 phase - 3 pole		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				
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
			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

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