

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. DS0203BAL6

Standard and Approvals

- · Suitable as Manual Motor Controller
- Certified UL508 and CSA C22.2 No. 14-13







Technical characteristics: Body

Disconnect switch according to IEC/EN 60947-3

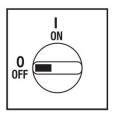
- Disconnect switch 3P
- IP20 protection degree
- Rating operational current le: 20A
- Rating thermal current Ith: 25A
- Rating insulation voltage: 690V
- Base Mounting
- Fixing: with screws
 - Din rail
- Switching angle: 90°
- Positive opening double break contacts, silver alloy made.
- Self-extinguishing class V2



Technical characteristics: Plate and knob

- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Fixing: 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal

Plate and position



Electrical scheme



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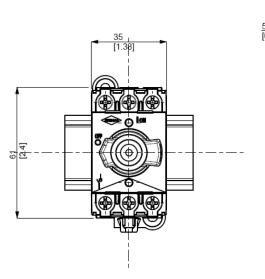
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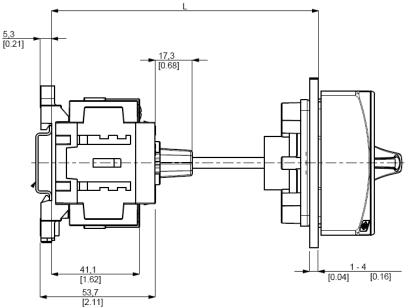
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measures in mm (in)

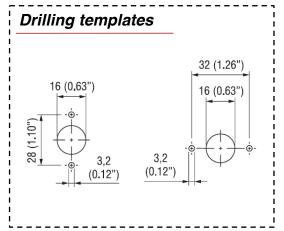
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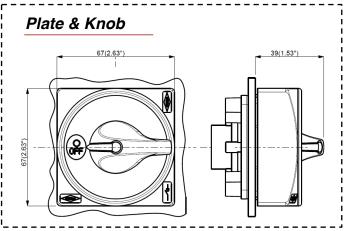
Dimensions





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







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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	25
Rated thermal current for enclosed switch		Ithe	Α	25
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	0,6
Rated operating current le				
AC-21A Switching resistive loads, including moderate overloads	690V	le	Α	20
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	A	20
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads	-	400V	Kw (A)	9 (18)
		690V	Kw (A)	9 (13)
AC-3 Squirrel cage motors: starting, switching off motors during running	-	400V	Kw (A)	5,5 (10)
		690V	Kw (A)	5,5 (6)
Rated breaking capability in category AC-23A (cos φ=0,45)	-	400V	A	144
Short circuit protection		690V	A	104
Short circuit protection Rated short time withstand current (1s)		lcw	A	300
Rated short-circuit make capacity		Icm	A A	750
Rated conditional short-circuit current		iciii	kA	10
With fuses class gG		500V	A	20
Technical data UL/CSA (sec. UL508)		3001	.,	20
General use voltage		Ue	V	600
General use current	600Vac	le	A	20
Rated operating power	000700			-
		120V	Hp/FLA	1/-
1 phase - 2 pole	-	240V	Hp/FLA	2/-
		200V	Hp/FLA	-/-
	-	240V	Hp/FLA	5 / 15,2
3 phase - 3 pole	-	480V	Hp/FLA	10 / 14
	-	600V	Hp/FLA	15 / 17
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	20
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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