

 Bremas Ersce SpA

 Via castellazzo 9 - 20040 Cambiago (MI)

 Tel +39 02 95651611

 Fax +39 02 95651639

 www.bremas.eu

 info@bremas.it

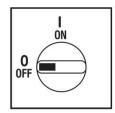
ISO 9001 Certified Quality System

Cod. DS1003BAL6





Plate and position



Standard and Approvals

- Suitable as Manual Motor Controller
- Certified UL508 and CSA C22.2 No. 14-13
- Disconnect switch according to IEC/EN 60947-3

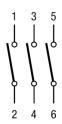
Technical characteristics: Body

- Disconnect switch 3P
- IP20 protection degree
- Rating operational current: 100A
- Rating thermal current: 100A
- Rating insulation voltage: 690V
- Base Mounting
- Fixing: with screw
 - Din rail
- Switching angle: 90°
- Positive opening double break contacts, silver alloy made.
- Self-extinguishing class V0

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

Electrical scheme



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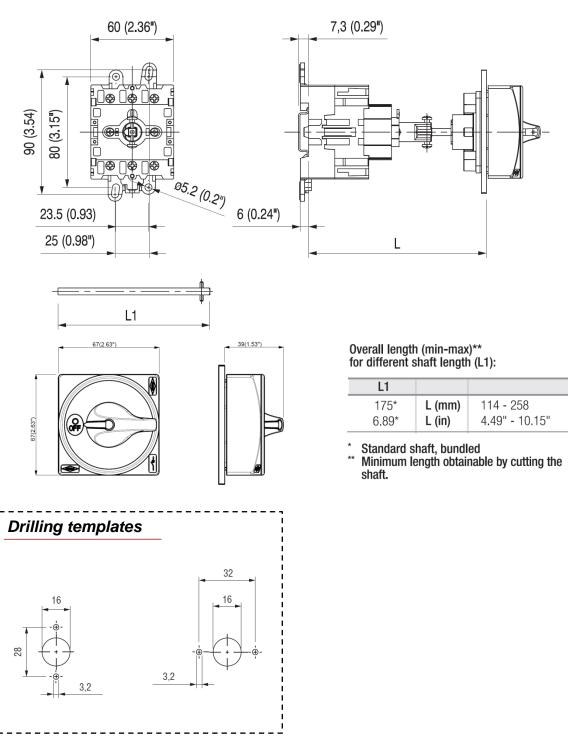
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measures in mm (in)

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Dimensions



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			D\$100
Technical data IEC 947-3 EN 60947-3			
Rated insulation voltage	Ui	V	690
Rated operating voltage	Ue	V	690
Rated impulse withstand voltage	Uim	p kV	6
Rated thermal current for open switch	Ith	А	100
Rated thermal current for enclosed switch	Ithe	A	80
Rated operation frequency		Hz	50
Power dissipation for each pole		W	-
Rated operating current			
AC-21A Switching resistive loads, including moderate overloads	690V le	A	100
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V le	A	100
Rated operating power			
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	400\		35 (63)
	690\		30 (31)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	400\		30 (54)
	690\		22 823)
Rated breaking capability in AC-23A (@90,45)	400		504
	690\	/ A	-
Short circuit protection			
Rated short time withstand current	lcw		1500
Rated short-circuit make capacity	lcm		2500
Rated conditional short-circuit current		kA	15
With fuses class gG	500\		100
Mechanical life (120 cicles/hour)	Mil.M		2
Connecting capability with flexible wires	Min-N		6-35
Connecting capability with solid wires	Min-N	1ax mm2	10-50
Terminal screw			M5
Screw tightening torque		Nm	2,8
Theonical data UL/CSA			
Rated operating voltage	Ue	V	600
General use current	600Vac le	A	100
Rated operating power			- /
1 phase - 2 pole	120\		5/56
	240\		10/50
	200\		20/62
3 phase - 3 pole	240\		25/68
	480\		50/65
	600\	i , , , , ,	50/52
Line protection fuses (Class J, 600Vac)		A	225
Short Circuit Rating@600Vac Mechanical characteristics		kA	10
	Min M	1ax AWG	10/01
Connecting capability with flexible wires Connecting capability with solid wires	Min-M Min-M		08/01
Screw tightening torque	11111-11	ib.in	24
Protection degree IEC 529 EN 60529		10.111	24
Terminals			IP20
Plate and knob			IP20
Ambient conditions			1200
Operating ambient temperature		°C	-25 ÷ +70
Storage ambient temperature		°C	-40 ÷ +85
Withstand to constant humid according to IEC 60068		L	sec. IEC 60068-2-78
Withstand to constant namid according to IEC 60068			sec. IEC 60068-2-78
Auxiliary contacts			XC012AB XC012CB
Rated insulation voltage	Ui	V	12
Rated thermal current for open switch		A	12
AC-15 Control of a.c electromagnetic loads	230\		6
pre 25 control of the electronitighetic lotus	2301	л	U

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