

Cod. DS0323BAL6

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

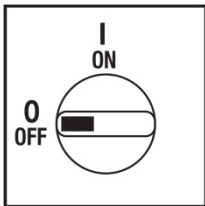
- Disconnect switch 3P
- IP20 protection degree
- Rating operational current I_e : 32A
- Rating thermal current I_{th} : 32A
- Rating insulation voltage: 690V
- Base Mounting
- Fixing:
 - with screws
 - Din rail
- Switching angle: 90°
- Positive opening double break contacts, silver alloy made.
- Self-extinguishing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



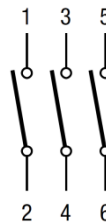
Technical characteristics: Plate and knob

- 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



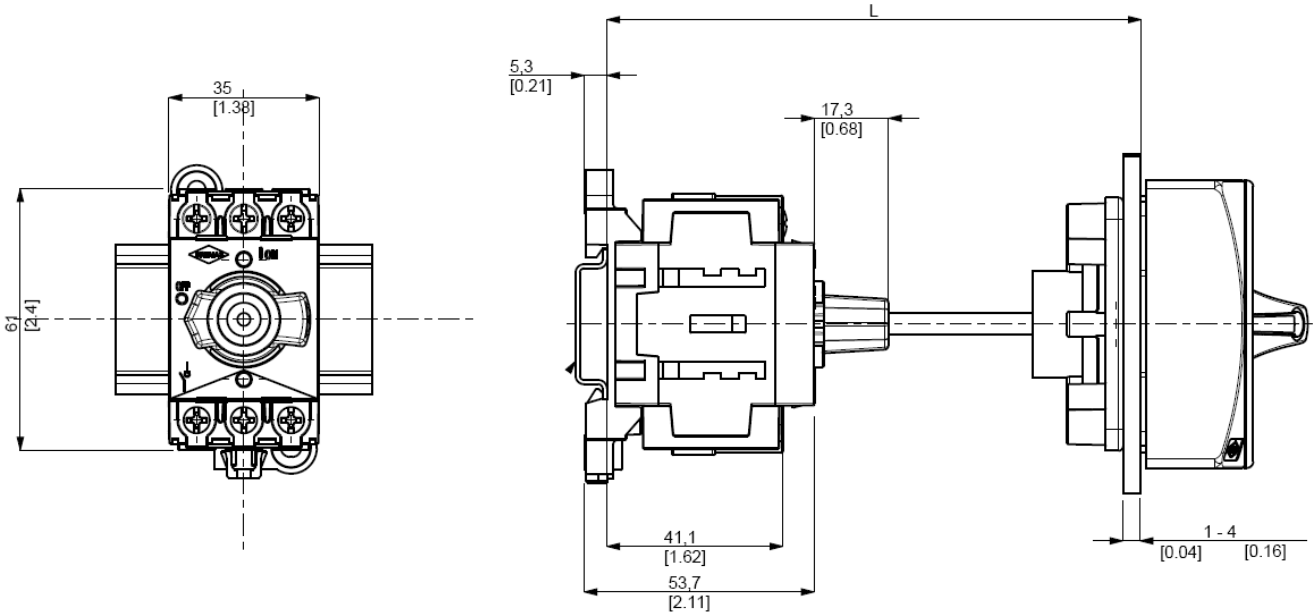
Electrical scheme



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measures in mm (in)

Dimensions



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

Drilling templates

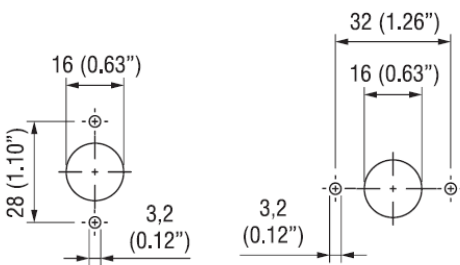
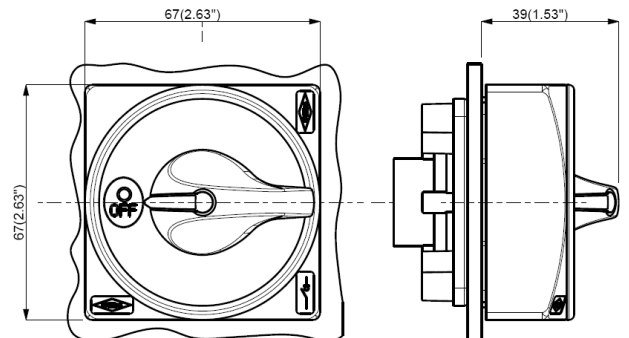


Plate & Knob



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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 / -
	200V	Hp/FLA	- / -
3 phase - 3 pole	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	mm ²	1,5 - 10
Connecting capability with solid wires	Min-Max	mm ²	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