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ISO 9001 Certified Quality System

Cod. SB1004B140AK6

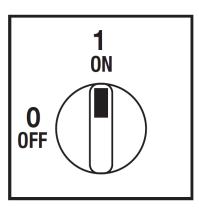


- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller





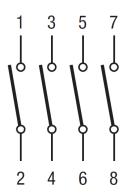
Plate and position



Technical characteristics

- ON-OFF 3+N
- ABS double insulation thermoplastic enclosure
- Rated operational current In: 100A
- Rated thermal current Ith: 100A
- Rating insulation voltage: 690V
- Positive opening double break contacts, silver alloy made
- Grey plate 48x48mm and black padlockable knob (max. 3 padlocks)
- Switching angle: 90°
- Cover interlock in "ON" position
- Front drive
- IP65 Protection degree
- Fixing enclosure: 4 screw at 97x142mm

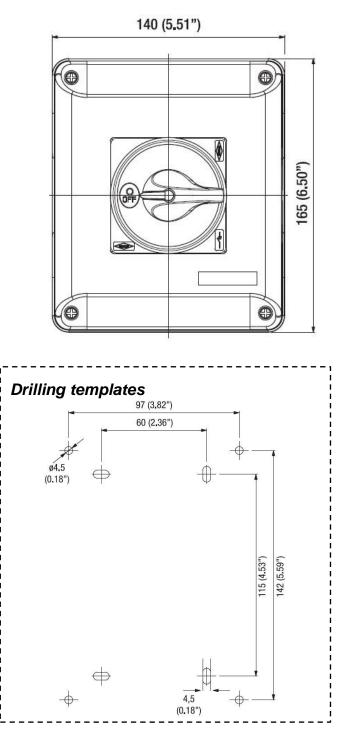
Electrical scheme



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Dimensions



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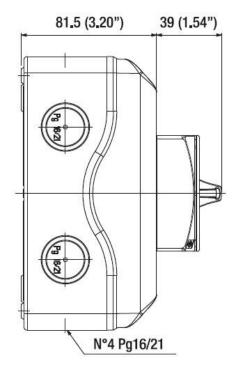
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measures in mm (in)



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Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	690
Rated operating voltage		Ue	V	690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		lth	A	100
Rated thermal current for enclosed switch		Ithe	A	80
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	7,5
Rated operating current le				
AC-21A Switching resistive loads, including moderate overloads	690V	le	А	100
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	А	100
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads		400V	Kw (A)	35 (63)
		690V	Kw (A)	30 (31)
AC-3 Squirrel cage motors: starting, switching off motors during running		400V	Kw (A)	30 (54)
		690V	Kw (A)	22 (23)
Rated breaking capability in category AC-23A (cos φ=0,45)		400V	А	504
		690V	А	-
Short circuit protection				
Rated short time withstand current (1s)		lcw	А	1500
Rated short-circuit make capacity		Icm	А	2500
Rated conditional short-circuit current			kA	15
With fuses class gG		500V	А	100
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	v	600
General use current	600Vac	le	А	100
Rated operating power				
		120V	Hp/FLA	5/56
1 phase - 2 pole		240V	Hp/FLA	10/50
3 phase - 3 pole		200V	Hp/FLA	20/62
		240V	Hp/FLA	25/68
		480V	Hp/FLA	50/65
		600V	Hp/FLA	50/52
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	225
Short Circuit Rating@600Vac			kA	10
Mechanical characteristics				
		Operations x10 ⁶		0,1
Mechanical life (120 cycles/hour)		Min-Max	mm2	6-35
Connecting capability with flexible wires		Min-Max	mm2	10-50
Connecting capability with solid wires		Min-Max	AWG	10/01
Connecting capability with flexible wires		Min-Max	AWG	08/01
Connecting capability with solid wires		IVIII1'IVIdA	700	M5
Terminal screw			Nm	2,8
Screw tightening torque			lbf-in	2,8
				27
Protection degree IEC 529 EN 60529 Terminals				IP20
Handles				IP66
Ambient conditions			°C	-25 ÷ +70
Operational ambient temperature				
Operational ambient temperature				
Storage ambient temperature			°C	-40 ÷ +85

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