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ISO 9001 Certified Quality System

Cod. CR0200031RT6



(Image is purely indicative)



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



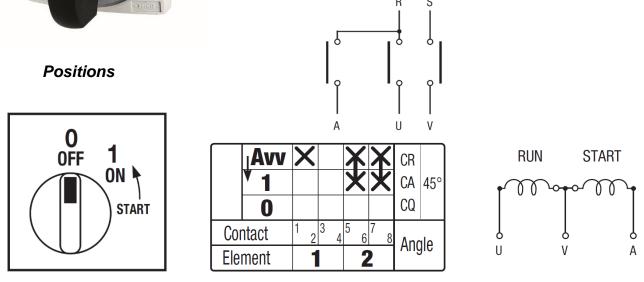
Technical characteristics: Body

- Switch single-phase motor + aux phase
- IP20 Protection degree
- Rated operational current le: 20A (AC-21A)
- Rated thermal current Ith: 25A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 45°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

Technical characteristics: Knob

- Grey plate 67x67mm and black knob
- IP66 Protection degree
- Fixing:- 2 screw at 28mm vertical

Electrical diagram and function



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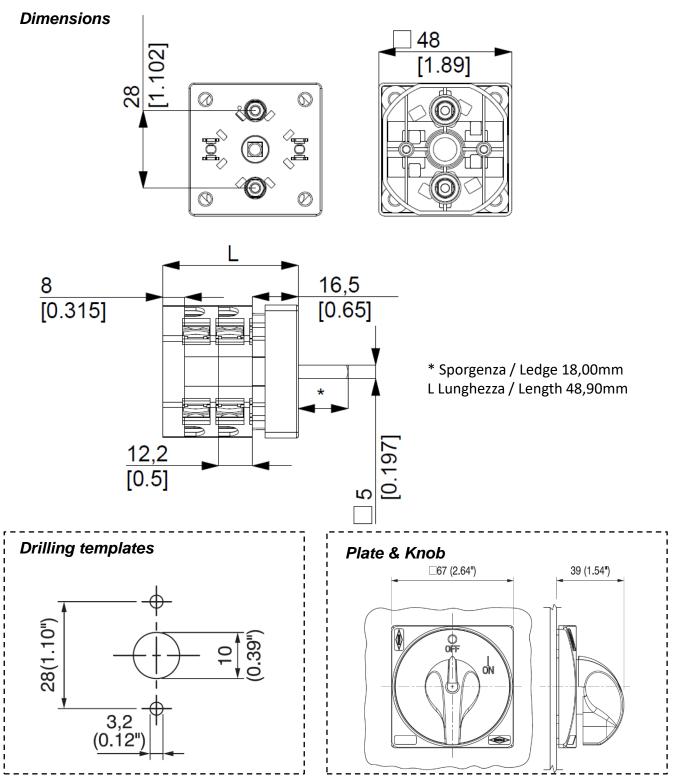
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measures in mm (in)



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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		Ith	А	25
Rated thermal current for enclosed switch		Ithe	А	25
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	A	20
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	16
AC-20A Connecting and disconnecting under no loads conditions				-
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	9 (16)
		500V	Kw (A)	9 (13)
		690V	Kw (A)	9 (9)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	1,1 (5)
		230V	Kw (A)	3 (17)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	4 (13)
		400V	Kw (A)	7,5 (14)
		500V	Kw (A)	7,5 (11)
		690V	Kw (A)	7,5 (8)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,1 (13)
		230V	Kw (A)	2,2 (12)
		400V	Kw (A)	3,7 (12)
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	1,5 (4,5)
······································		400V	Kw (A)	2,2 (2,6)
AC-15 Control of a.c electromagnetic loads		230V	Α	7
		400V	A	5
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	136
······································		400V	A	128
Short circuit protection				
Rated short time withstand current		lcw	A	240
Rated short-circuit make capacity		lcm	A	1500
Rated conditional short-circuit current		-	kA	5
Nith fuses class gG		500V	A	20
Fechnical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/300
General use current		le	UL/CSA A	20/16
Short circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			А	60
Rated operating power				
L phase - 2 pole		120V	Hp (A)	1,5 (20)
- Free - Free		240V	Hp (A)	3 (17)
phase - 3 pole		200V	Hp (A)	5 (16,7)
		240V	Hp (A)	7,5 (22)
		480V	Hp (A)	10 (14)
		600V	Hp (A)	10 (14)
Nechanical characteristics				
Panel tickness		Max	mm	4
Vechanical life			Cycles x 10 ⁶	2
		-	Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1			-, ,	
Connecting capability	With flexible wires	Min-Max	mm²	2x1,5-4
	WITH HEADIE WITES	Min-Max	AWG	16-10
	With solid wires	Min-Max	mm ²	2x1,5-6
Connection terminal screw dimensions	with solid wires	WIII-WIA		2x1,5-6 M3,5
			Type	1
crew tightening torque Protection degree IEC 529 EN 60529			Nm	±
Ferminals			IP	20
			IP	20
Ambient conditions			**	25 4 455
Deprating ambient temperature			°C °C	-25 ÷ +55 -30 ÷ +70
Storage ambient temprature			L	
Withstand to constant humid according to IEC 60068 Withstand to cyclic humid according to IEC 60068				2-78
אינווזנמוום נס בעבות חתווום מבכסותווצ נס ובכ ססססס				2-30

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