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ISO 9001 Certified Quality System

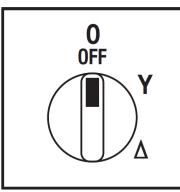
Cod. CR0320010RT6



(Image is purely indicative)



Positions



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

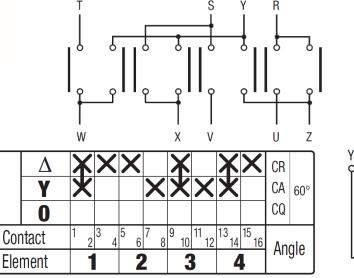
Technical characteristics: Body

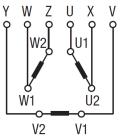
- STAR-DELTA starter
- IP20 Protection degree
- Rated operational current le: 32A (AC-21A)
- Rated thermal current Ith: 40A
- Rated insulation voltage Ui: 690V
- Rear mounting
 - Fixing with: 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic 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 - 2 screw at 32mm horizontal

Electrical diagram and function





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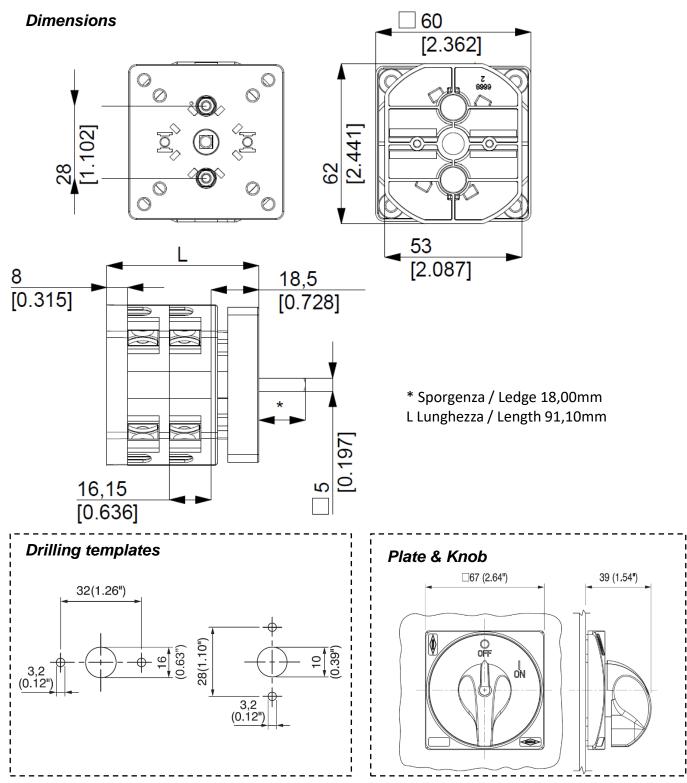
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measures in mm (in)



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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		lth	А	40
Rated thermal current for enclosed switch		Ithe	А	40
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	32
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	25
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)	8,5 (27)
		400V	Kw (A)	15 (27)
		500V	Kw (A)	15 (22)
		690V	Kw (A)	15 (16)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	2,2 (25)
		230V	Kw (A)	3,7 (20)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	10 (17)
		500V	Kw (A)	10 (17)
		690V	Kw (A)	10 (11)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,5 (17)
		230V	Kw (A)	3 (17)
		400V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	2,2 (17)
······································		400V	Kw (A)	3 (5,5)
AC-15 Control of a.c electromagnetic loads		230V	Α	8
		400V	A	6
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	216
······································		400V	A	216
Short circuit protection				
Rated short time withstand current		lcw	A	400
Rated short-circuit make capacity		lcm	A	2000
Rated conditional short-circuit current		-	kA	10
Nith fuses class gG		500V	A	35
Fechnical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	35/25
Short circuit rating @600Vac			Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)			А	60
Rated operating power				
phase - 2 pole		120V	Hp (A)	2 (24)
- Free - Free		240V	Hp (A)	3 (17)
phase - 3 pole		200V	Hp (A)	5 (17,5)
F F		240V	Hp (A)	7,5 (22)
		480V	Hp (A)	10 (14)
		600V	Hp (A)	15 (17)
Nechanical characteristics				10 (17)
anel tickness		Max	mm	4
Vechanical life			Cycles x 10 ⁶	1,5
		-	Cycles/hr	1,5
Connection according to IEC 9471-1 and EN 50947-1			-, ,	
Connecting capability	With flexible wires	Min-Max	mm²	2x2,5-10
	With nexible wires	Min-Max	AWG	14-8
	With solid wires	Min-Max	mm ²	14-8 2x2,5-16
Connection terminal screw dimensions	With solid wires	IVIII-IVIdX		2x2,5-16 M4
			Type	
crew tightening torque Protection degree IEC 529 EN 60529			Nm	1,7
Ferminals			IP	20
Ambient conditions			117	20
			°C	25
Derating ambient temperature			°C	-25 ÷ +55
Storage ambient temprature			°C	-30 ÷ +70
Withstand to constant humid according to IEC 60068 Withstand to cyclic humid according to IEC 60068				2-78 2-30
				1 /

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