

Via castellazzo 9 - 20040 Cambiago (MI)
Tel +39 02 95651611 Fax +39 02 95651639
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ISO 9001 Certified Quality System

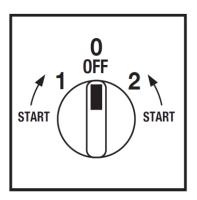
#### Cod. CR0250032RT6



(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

- Reversing switch single-phase motor + aux phase
- IP20 Protection degree
- Rated operational current le: 25A (AC-21A)
- Rated thermal current Ith: 32A

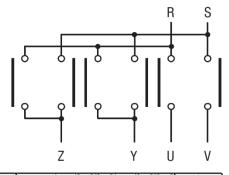
  Rated thermal current Ith: 32A

  Rated thermal current Ith: 32A
- 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.

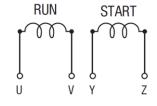
#### Technical characteristics: Knob

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

## Electrical diagram and function



Avv 1		×	X		X	X	CR	
0							CA	45°
Avv	×			X	X	X	CQ	
Contact	1 2	3 4	5 6	7 8	9 10	11 12	Angle	
Element	1		2	2	3	3		

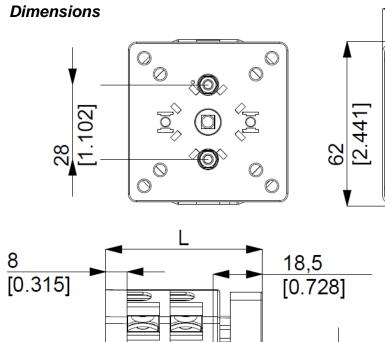




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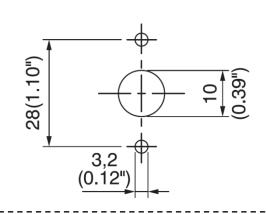


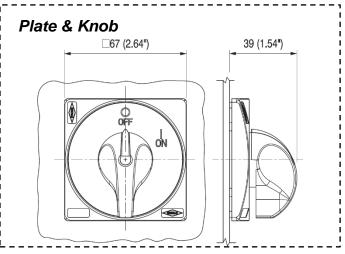
measures in mm (in) 60 [2.362] 53 [2.087]

> \* Sporgenza / Ledge 18,00mm L Lunghezza / Length 74,95mm

## **Drilling templates**

16,15 [0.636]





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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	A .	32
Rated thermal current for enclosed switch		Ithe	Α	32
Rated operation frequency			Hz W	50/60
Power dissipation for each pole			vv	1
Rated operating current			A	25
AC-21A Switching resistive loads, including moderate overloads		le		
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	20
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)	7,5 (24)
		400V	Kw (A)	11 (20)
		500V	Kw (A)	11 (15)
		690V	Kw (A)	11 (11)
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)	9,5 (16)
		500V	Kw (A)	9,5 (12,5)
		690V 110V	Kw (A)	8,5 (10)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole			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	A	8
		400V	A	6
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	192
		400V	A	160
Short circuit protection				
Rated short time withstand current		lcw	A	400
Rated short-circuit make capacity		Icm	A	2000
Rated conditional short-circuit current		-	kA	10
With fuses class gG		500V	A	35
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	25/25
Short circuit rating @600Vac			Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
Rated operating power				
1 phase - 2 pole		120V	Hp (A)	2 (24)/-
		240V	Hp (A)	3 (17)/6
3 phase - 3 pole		200V	Hp (A)	5 (17,5)/-
		240V	Hp (A)	7,5 (22)/-
		480V	Hp (A)	10 (14)/-
		600V	Hp (A)	10 (11)/15
Mechanical characteristics				
Panel thickness		Max	mm	4
Mechanical life			Cycles x 10 <sup>6</sup>	1,5
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1				
Connecting capability	With flexible wires	Min-Max	mm²	2x2,5-10
		Min-Max	AWG	14-8
		Min-Max	mm²	2x2,5-16
	With solid wires	IIIII IIIUX		M4
Connection terminal screw dimensions	With solid wires	Will Hux	Туре	IVI <del>-1</del>
	With solid wires		Type Nm	1,7
Screw tightening torque	With solid wires			
Screw tightening torque Protection degree IEC 529 EN 60529	With solid wires	Will Will		
Screw tightening torque Protection degree IEC S29 EN 60529 Terminals	With solid wires		Nm	1,7
Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions	With solid wires		Nm	1,7
Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature Storage ambient temprature	With solid wires		Nm IP	20
Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals  Ambient conditions  Operating ambient temperature	With solid wires		Nm IP °C	1,7 20 -25 ÷ +55