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ISO 9001 Certified Quality System

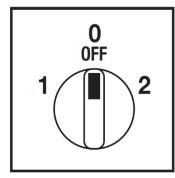
Cod. CR0160034RT6



(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

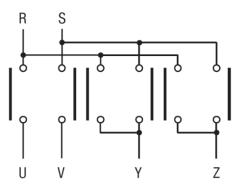
Technical characteristics: Body

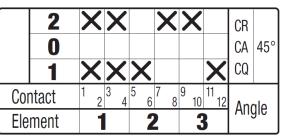
- Reversing switch single-phase motor + centrif.
- IP20 Protection degree
- Rated operational current le: 16A (AC-21A)
- · Rated thermal current Ith: 20A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 45°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

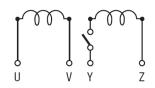
Technical characteristics: Knob

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

Electrical diagram and function







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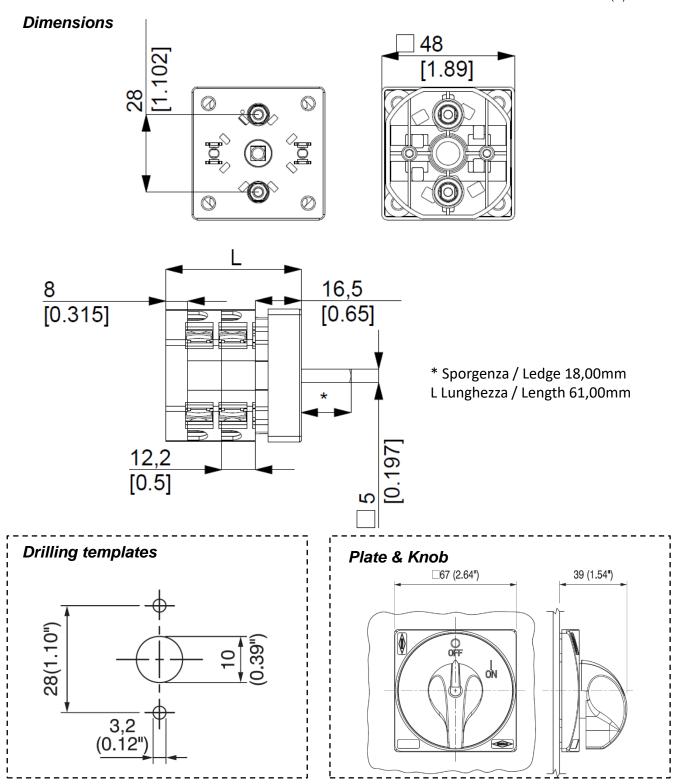
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measures in mm (in)



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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		lth	A	20
Rated thermal current for enclosed switch		Ithe	A	20
Rated operation frequency			Hz	50/60
Power dissipation for each pole			w	0,5
Rated operating current				0,5
AC-21A Switching resistive loads, including moderate overloads		le	А	16
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	16
AC-20A Connecting and disconnecting under no loads conditions				-
Rated operating power		0001		
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	4 (14)
		400V	Kw (A)	7,5 (14)
		500V	Kw (A)	-
		690V	Kw (A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	1,1 (12)
		230V	Kw (A)	2,2 (14)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	230V	Kw (A)	3,7 (12)	
	400V	Kw (A)	5,5 (10)	
		500V	Kw (A)	-
		690V	Kw (A)	-
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	0,75 (9)
		230V	Kw (A)	1,5 (8)
		400V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	-
		400V	Kw (A)	-
AC-15 Control of a.c electromagnetic loads		230V	А	6
		400V	Α	4
Rated breaking capability in AC-23A (cos φ=0,45)		230V	А	112
		400V	А	112
Short circuit protection				
Rated short time withstand current		lcw	А	240
Rated short-circuit make capacity		Icm	А	-
Rated conditional short-circuit current		-	kA	4
With fuses class gG		500V	А	20
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/-
General use current		le	UL/CSA A	16
Short circuit rating @600Vac			Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			A	25 (30)
Rated operating power				
1 phase - 2 pole		120V	Hp (A)	1 (16)
		240V	нр (A) Нр (A)	2 (12)
nhace_3 nois				
3 nhase - 3 nole				
3 phase - 3 pole		200V	Hp (A)	2 (7,8)
3 phase - 3 pole		200V 240V	Hp (A) Hp (A)	2 (7,8) 3 (9,6)
3 phase - 3 pole		200V 240V 480V	Hp (A) Hp (A) Hp (A)	2 (7,8) 3 (9,6) 7,5 (11)
		200V 240V	Hp (A) Hp (A)	2 (7,8) 3 (9,6)
Mechanical characteristics		200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A)	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9)
Mechanical characteristics Panel thickness		200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) mm	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4
Mechanical characteristics		200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2
Mechanical characteristics Panel thickness Mechanical life		200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) mm	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	The Sputchewises	200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	ith flexible wires	200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ²	2 (7.8) 3 (9.6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles x 10 ⁶ Cycles /hr mm ² AWG	2 (7.8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W W	ith flexible wires	200V 240V 480V 600V Max 	Нр (A) Нр (A) Нр (A) Нр (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ²	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connection terminal screw dimensions		200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Мр (A) Сусles x 10 ⁶ Суcles x 10 ⁶ Суcles/hr мm ² АWG mm ² Туре	2 (7.8) 3 (9.6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connection terminal screw dimensions Screw tightening torque		200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Нр (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ²	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connecting capability W Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529		200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Мр (A)	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connecting capability W Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals		200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Мр (A) Сусles x 10 ⁶ Суcles x 10 ⁶ Суcles/hr мm ² АWG mm ² Туре	2 (7.8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm IP	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions		200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Мр (A)	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connecting capability W Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm IP	2 (7.8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1 20
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability W Connecting capability W Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature		200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles x 10 ⁶ Type Nm IP °C	2 (7.8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 2x1,5-4 16-10 2x1,5-6 M3,5 1 20 -25 ÷ +55

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