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ISO 9001 Certified Quality System

Cod. CR0160035RT6



(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



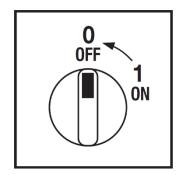
Technical characteristics: Body

- · ON-OFF switch 3 pole with spring return to "OFF"
- IP20 Protection degree
- Rated operational current le: 16A
- 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.

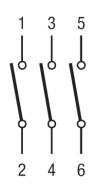
Technical characteristics: Knob

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

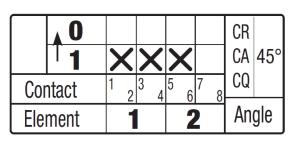
Positions



Electrical diagram



Electrical function



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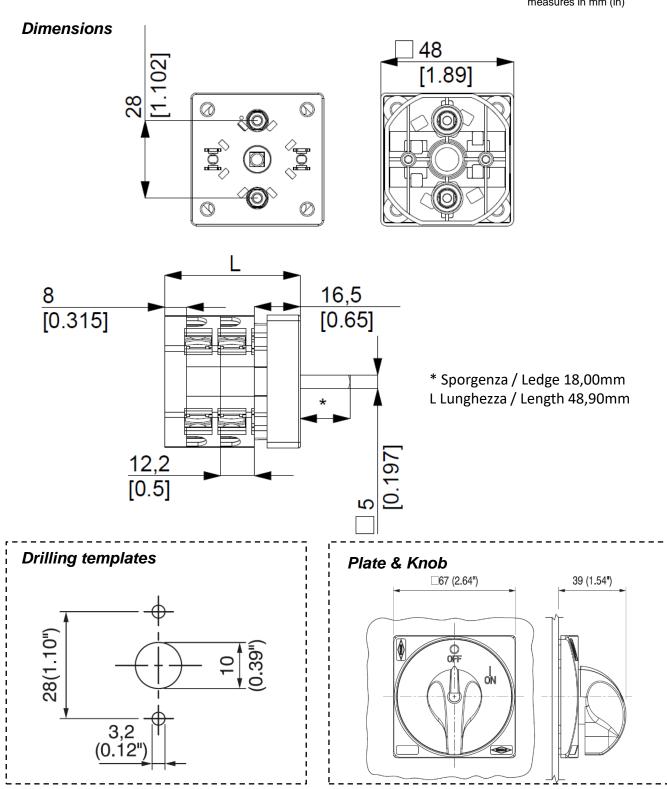
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measures in mm (in)



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Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	v	690
Rated insulation voltage		Ue	v	690
Rated inpulse 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		luic	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	A	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				
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 AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		110V	Kw (A)	1,1 (12)
		230V	Kw (A)	2,2 (14)
		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	A	6	
	400V	A	4	
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	112
		400V	A	112
Short circuit protection				
Rated short time withstand current		lcw	A	240
Rated short-circuit make capacity		Icm	A	-
Rated conditional short-circuit current		-	kA	4
With fuses class gG		500V	A	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.)				
Rated operating power			A	25 (30)
			A	25 (30)
1 phase - 2 pole		120V	A Hp (A)	25 (30)
1 pride - 2 pole		240V		
3 phase - 3 pole			Hp (A)	1 (16)
		240V	Hp (A) Hp (A)	1 (16) 2 (12)
		240V 200V	Hp (A) Hp (A) Hp (A)	1 (16) 2 (12) 2 (7,8)
		240V 200V 240V	Hp (A) Hp (A) Hp (A) Hp (A)	1 (16) 2 (12) 2 (7,8) 3 (9,6)
		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11)
3 phase - 3 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11)
3 phase - 3 pole Mechanical characteristics		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9)
3 phase - 3 pole Mechanical characteristics Panel thickness		240V 200V 240V 480V 600V	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) тт	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4
3 phase - 3 pole Mechanical characteristics Panel thickness		240V 200V 240V 480V 600V	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) mm Сусles x 10 ⁶	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 4 2
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life	With flexible wires	240V 200V 240V 480V 600V	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) mm Сусles x 10 ⁶	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 4 2
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V Max	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Мр (A) Сусles x 10 ⁶ Cycles/hr	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V Max Min-Max	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Минания Сусles x 10 ⁶ Суcles x 10 ⁶ Суcles x 10 ⁶	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Сусles x 10 ⁶ Суcles x 10 ⁶ Суcles/hr	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability		240V 200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Мр (A) Сусles x 10 ⁶ Суcles/hr	1 (16) 2 (12) 2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) Cycles x 10 ⁶ Cycles/hr Cycles/hr mm ² AWG mm ² Type	1 (16) 2 (12) 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
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Screw tightening torque		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) Cycles x 10 ⁶ Cycles/hr Cycles/hr mm ² AWG mm ² Type	1 (16) 2 (12) 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
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Gravest and the second s	1 (16) 2 (12) 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
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Gravest and the second s	1 (16) 2 (12) 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
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions		240V 200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Ми (A) Сусles x 10 ⁶ Суcles x 10 ⁶ Суcles/hr Мит ² АWG mm ² Туре Nm IP	1 (16) 2 (12) 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
3 phase - 3 pole Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability Connecting terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Terminals Ambient conditions Operating ambient temperature		240V 200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) Мр (A)	1 (16) 2 (12) 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 -25 ÷ +55

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