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ISO 9001 Certified Quality System

Cod. CR016MZ23RT6



(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



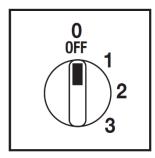
Technical characteristics: Body

- Multi step switch with OFF 2 pole 3 steps
- 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.

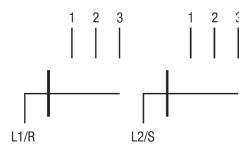
Technical characteristics: Knob

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

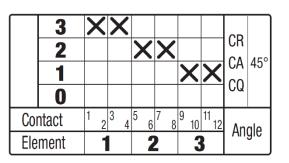
Positions







Electrical function



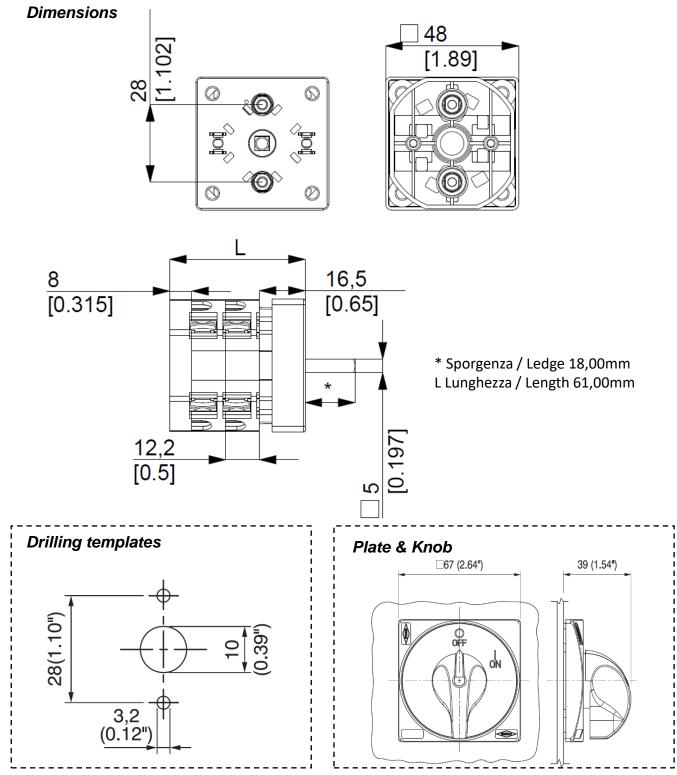
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measures in mm (in)



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Technical data IEC 047 2 EN 60047 2				
Technical data IEC 947-3 EN 60947-3 Reted insulation voltage		Ui	v	690
Rated insulation voltage		Ue	v	690
Rated operating 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	A	16
			A	
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads AC-20A Connecting and disconnecting under no loads conditions		le	A	- 16
				-
Rated operating power		230V	K (A)	4 (14)
C-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	400V	Kw (A)	4 (14)	
		Kw (A) Kw (A)	7,5 (14)	
		690V	KW (A)	
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	KW (A)	1,1 (12)
C 255 SMrCrimg of indian loads of other inging indiactive loads 1 prinse. 2 pole	230V			
AC 2 Cavitral case material statice sublation off material vision vision 2 material 2 material	AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	230V 230V	Kw (A)	2,2 (14)
Ac-s squin er cage motors, starting, switching on motors during running s phase - s pole		Kw (A)	3,7 (12)	
	400V	Kw (A)	5,5 (10)	
		500V 690V	Kw (A)	-
AC 3 Empired same metages starting and instance during supplier 1 shows - 3 anto			Kw (A)	
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		230V	Kw (A) Kw (A)	0,75 (9)
	400V	KW (A) KW (A)	1,5 (8)	
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	KW (A) KW (A)	
Ac-4 squirrei cage motors, starting, piuggign, incling		400V	Kw (A)	-
AC-13 CONTO OF ALC PRECIONAGNELIC TOADS	AC-15 Control of a.c electromagnetic loads	230V 400V	A	6
		230V	A	4
Rated breaking capability in AC-23A (cos φ=0,45)		400V	A A	112
Short circuit protection		4007	A	112
Rated short time withstand current		low	A	240
Rated short-circuit make capacity		lcw Icm	A	- 240
Rated shoted cut make capacity Rated conditional short-circuit current		-	kA	4
With fuses class gG		500V	A	20
Technical data UL/CSA		5007	~	20
		Ue	UL/CSA V	600/-
Rated operating voltage				
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	Hp (A)	2 (12)
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 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		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	With flexible wires	200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) Mn Cycles x 10 ⁶ Cycles x 10 ⁶ Cycles/hr	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		200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) 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	With flexible wires With solid wires	200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) 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 Connection terminal screw dimensions		200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 2 120 2 2 x1,5-4 16-10 2 x1,5-6 M3,5
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		200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) 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 Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529		200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm	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 Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals		200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type	2 (7,8) 3 (9,6) 7,5 (11) 7,5 (9) 4 2 2 120 2 2 x1,5-4 16-10 2 x1,5-6 M3,5
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		200V 240V 480V 600V 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 Connection grapability Connection cerrminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature		200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm IP IP	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
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability Connecting capability Frotection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature Storage ambient temperature		200V 240V 480V 600V 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 2x1,5-4 16-10 2x1,5-6 M3,5 1 20 -25 ÷ +55 -30 ÷ +70
Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connection grapability Connection cerrminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature		200V 240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 ⁶ Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm IP IP	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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