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ISO 9001 Certified Quality System

Cod. CQ0160007RV4

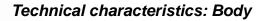


(Image is purely indicative)



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

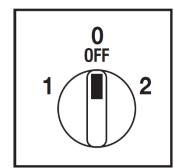


- Change-over switch 3 pole
- IP20 Protection degree
- Rated operational current le: 20A (AC-21A)
- Rated thermal current Ith: 20A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 4 screw at 36x36mm
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Positive opening double break contacts, silver alloy made.

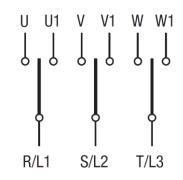
Technical characteristics: Knob

- Grey plate 48x48mm and black knob
- IP66 Protection degree
- Fixing with 4 screw at 36x36mm

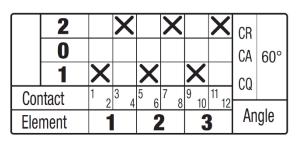
Positions



Electrical diagram



Electrical function



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Dimensions

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В

mm

in

Handle

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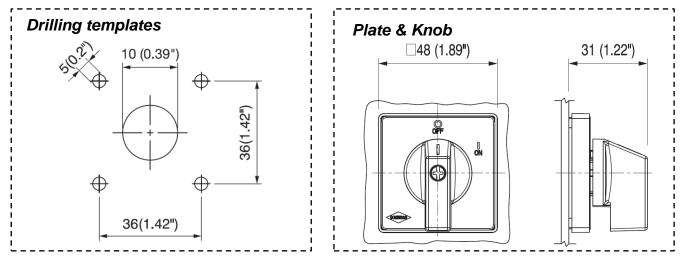
measures in mm (in)

		A	
× _			
1-4	MAX (0,04	l0"-0,15")	

I

Switch dimensions

Series X A		п		N° Stages				RT4-RY4	37	1,45							
Series A A	~	D		1	2	3	4	5	6		20	1 5 2					
10, 10	- 10	10 5	L (mm)	48	60.5	73	85.5	98	110.5	RI0-RT0	39	1,53					
		,			00,0	75	00,0		110,0	RL6-RK6	39	1,53					
1,5/"X1,5/" ⊔ 1,89"	□ 1,89"	^{0,49"} L(in)	L(in)	1,89	2,38	2,87	3,36	3,85	4,35	RV4-RW4	31	1,22					
								1 (10 5		745	07	00.5	440			
63x62	□ 60	12,5	L (mm)	49,5	62	74,5	87	99,5	112	RV6-RW6	36	1,42					
CQ 025-032 2,48"x 2,44" □ 2,5	□ 2,36"	i" 0,49"	L(in)	1,94	2,44	2,93	3,42	3,92	4,40	RRO	34	1,34					
	X 40x40 1,57"x1,57" 63x62	X A 40x40 □ 48 1,57"x1,57" □ 1,89" 63x62 □ 60	X A D 40x40 □ 48 12,5 1,57"x1,57" □ 1,89" 0,49" 63x62 □ 60 12,5	XAD $40x40$ $1,57"x1,57"$ $\Box 48$ $\Box 1,89"$ $12,5$ $0,49"$ L (mm) $63x62$ $\Box 60$ $\Box 2000$ $12,5$ $\Box 2000$ L (mm)	X A D 1 $40x40$ $\Box 48$ $12,5$ L (mm) 48 $1,57$ "x1,57" $\Box 1,89$ " $0,49$ " L (in) 1,89 $63x62$ $\Box 60$ $12,5$ L (mm) 49,5	X A D 1 2 $40x40$ $\Box 48$ $12,5$ L (mm) 48 60,5 $1,57$ "x1,57" $\Box 1,89$ $0,49$ " L (in) 1,89 2,38 $63x62$ $\Box 60$ $12,5$ L (mm) 49,5 62	X A D 1 2 3 40x40 \Box 48 $12,5$ L (mm) 48 60,5 73 $1,57$ "x1,57" \Box 1,89" $0,49$ " L (mm) 1,89 2,38 2,87 $63x62$ \Box 60 $12,5$ L (mm) 49,5 62 74,5	X A D I 2 3 4 40x40 \Box 48 12,5 L (mm) 48 60,5 73 85,5 1,57"x1,57" \Box 189" 0,49" L (in) 1,89 2,38 2,87 3,36 63x62 \Box 60 12,5 L (mm) 49,5 62 74,5 87	X A D I 2 3 4 5 40x40 \Box 48 12,5 L (mm) 48 60,5 73 85,5 98 1,57"x1,57" \Box 189" 0,49" L (in) 1,89 2,38 2,87 3,36 3,85 63x62 \Box 60 12,5 L (mm) 49,5 62 74,5 87 99,5	X A D 1 2 3 4 5 6 40x40 \Box 48 $12,5$ L (mm) 48 60,5 73 85,5 98 110,5 $1,57"x1,57"$ \Box 1,89" $0,49"$ L (ini) 1,89 2,38 2,87 3,36 3,85 4,35 $63x62$ \Box 60 $12,5$ L (mm) 49,5 62 74,5 87 99,5 112	X A D I 2 3 4 5 6 $40x40$ 48 $12,5$ L (mm) 48 $60,5$ 73 $85,5$ 98 110,5 RL6-RK6 $1,57"x1,57"$ $1,89"$ $0,49"$ L (m) $48,$ $2,38$ $2,87$ $3,36$ $3,85$ $4,35$ RV4-RW4 $63x62$ 60 $12,5$ L (mm) $49,5$ 62 $74,5$ 87 $99,5$ 112 RV6-RW6 $2.48"x 2.44"$ $2.36"$ $0.49"$ 1.04 0.44 0.05 0.46 0.40	X A D I 2 3 4 5 6 RT4-RY4 37 $40x40$ 48 $12,5$ L (mm) 48 $60,5$ 73 $85,5$ 98 $110,5$ $RT6-RY6$ 39 $40x40$ 48 $12,5$ L (mm) 48 $60,5$ 73 $85,5$ 98 $110,5$ $RL6-RK6$ 39 $1,57"x1,57"$ $1.89"$ $0,49"$ 1.89 $2,38$ $2,87$ $3,36$ $3,85$ $4,35$ $RV4-RW4$ 31 $63x62$ $12,5$ L (mm) $49,5$ 62 $74,5$ 87 $99,5$ 112 $RV6-RW6$ 36 $2.48"x 2.44"$ $2.36"$ $0.49"$ 4.94 0.92 0.49 0.92 0.49 0.92 0.49 0.92 0.42 0.92 0.42 0.92 0.42 0.92 0.42 0.92 0.42 0.92 0.92 0.42 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 <t< td=""></t<>					



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				CQ016
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	20
Rated thermal current for enclosed switch		Ithe	A	20
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	0,6
Rated operating current				
AC-21A Switching resistive loads, including mo	derate overloads	le	A	20
AC-22A Switching of mixed resistive and induc	ive loads, including moderate overloads	le	А	16
AC-20A Connecting and disconnecting under n	o loads conditions			-
Rated operating power				
AC-23A Switching of motor loads or other high	ly inductive loads 3 phase - 3 pole	230V	Kw (A)	5,5 (17)
	· · ·	400V	Kw (A)	9 (16)
	-	500V	Kw (A)	9 (13)
	=	690V	Kw (A)	9 (9)
AC-3 Squirrel cage motors: starting, swtiching	off motors during running 3 phase - 3 pole	230V	Kw (A)	4 (13)
	5 0 · r · · · · r • · •	400V	Kw (A)	7,5 (14)
	-	500V	Kw (A)	7,5 (11)
	-	690V	Kw (A)	7,5 (8)
AC-4 Squirrel cage motors: starting, pluggign, i	nching	230V	Kw (A)	1,5 (4)
		400V	Kw (A)	2,2 (4)
AC-15 Control of a.c electromagnetic loads		230V	Α	6
to 15 control of all clear of hagheric loads		400V	A	4
Rated breaking capability in AC-23A (cos φ =0,4	5)	230V	A	128
Valed breaking capability in AC-23A ($\cos \varphi = 0, 4$	5)	400V	A	128
They take it available		400 V	A	128
Short circuit protection		Levu	•	240
Rated short time withstand current		Icw	A	
Rated short-circuit make capacity		Icm	A	1000
Rated conditional short-circuit current		-	kA	5
With fuses class gG		500V	A	20
Thecnical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600
General use current		le	UL/CSA A	20
Short circuit rating @600Vac			Arms	5000
Rated operating power				
1 phase - 2 pole		120V	UL/CSA Hp	1,5/0,5
		240V	UL/CSA Hp	3/1,5
3 phase - 3 pole		200V	UL/CSA Hp	5/3
	_	240V	UL/CSA Hp	7,5/5
	_	480V	UL/CSA Hp	7,5/7,5
		600V	UL/CSA Hp	10/10
Mechanical characteristics				
Mechanical life			Cycles x 10 ⁶	2
			Cycles/hour	120
Connection according to IEC 9471-1 and EN 50	947-1			
Connecting capability	With flexible wires	Min-Max	mm2	2x1,5-2,5
<u> </u>	-	Min-Max	AWG	16-12
	With solid wires	Min-Max	mm2	2x1,5-4
Connection terminal screw dimensions			Туре	M3,5
Screw tightening torque			Nm	1
Protection degree IEC 529 EN 60529			1911	<u> </u>
Ferminals			IP	20
Ambient conditions				20
Operating ambient temperature			°C	-25 : 155
				-25 ÷ +55
Storage ambient temprature	C00C8		°C	-30 ÷ +70
Withstand to constant humid according to IEC				2-78
Withstand to cyclic humid according to IEC 600				2-30