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ISO 9001 Certified Quality System

# Cod. CR0250004RT6



(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

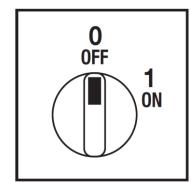


- ON-OFF switch 4 pole
- IP20 Protection degree
- Rated operational current le: 25A (AC-21A)
- Rated thermal current Ith: 32A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

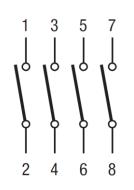
# Technical characteristics: Knob

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

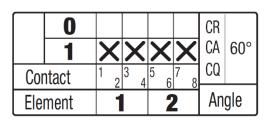
Positions



#### Electrical diagram



# **Electrical function**



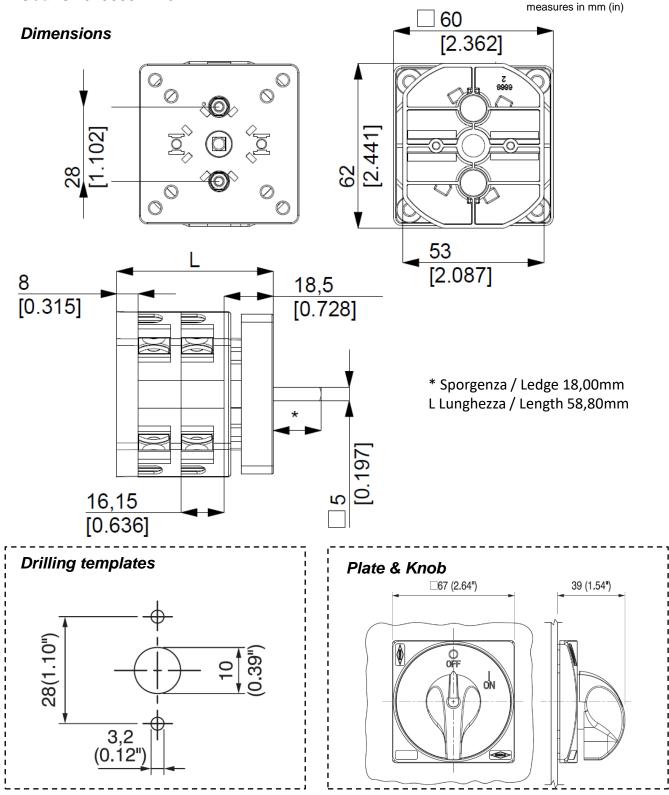
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Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	v	690
Rated operating voltage		Ue	v	690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		lth	A	32
Rated thermal current for enclosed switch		Ithe	A	32
Rated operation frequency			Hz	50/60
Power dissipation for each pole			w	1
Rated operating current				-
AC-21A Switching resistive loads, including moderate overloads		le	A	25
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				== (0, 1)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		230V	Kw (A)	7,5 (24)
		400V	Kw (A)	11 (20)
		500V	Kw (A)	11 (15)
	690V	Kw (A)	11 (11)	
A constructing of motor loads of other highly inductive loads 1 prises - 2 poie	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	Kw (A)	8,5 (10)	
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	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 $\varphi$ =0,45)		230V	Α	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
Rated conditional short-circuit current With fuses class gG				
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA		- 500V	kA A	10 35
Rated conditional short-circuit current With fuses class gG		-	kA	10
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA		- 500V	kA A	10 35
Rated conditional short-circuit current With fuses class gG <b>Technical data UL/CSA</b> Rated operating voltage		- 500V Ue	kA A UL/CSA V	10 35 600/600
Rated conditional short-circuit current With fuses class gG <b>Technical data UL/CSA</b> Rated operating voltage General use current		- 500V Ue	kA A UL/CSA V UL/CSA A	10 35 600/600 25/25
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac		- 500V Ue	kA A UL/CSA V UL/CSA A Arms	10 35 600/600 25/25 5000
Ated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200KA A.I.C.)		- 500V Ue	kA A UL/CSA V UL/CSA A Arms	10 35 600/600 25/25 5000
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power		- 500V Ue Ie	kA A UL/CSA V UL/CSA A Arms A	10 35 600/600 25/25 5000 60
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power		- 500V Ue le	kA A UL/CSA V UL/CSA A Arms A Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/-
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power 1 phase - 2 pole			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power 1 phase - 2 pole			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/-
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200KA A.I.C.) Rated operating power 1 phase - 2 pole			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/-
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power 1 phase - 2 pole			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/-
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RK5, 600Vac, 200KA A.I.C.) Rated operating power 1 phase - 2 pole 3 phase - 3 pole			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/-
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RK5, 600Vac, 200kA A.I.C.) Rated operating power 1 phase - 2 pole 3 phase - 3 pole Mechanical characteristics			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power 1 phase - 2 pole 3 phase - 3 pole Mechanical characteristics Panel thickness			kA A UL/CSA V UL/CSA A Arms A A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (C) Hp (C)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1	With flexible wires		kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (C) Hp (C)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5
Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power 1 phase - 2 pole 3 phase - 3 pole Mechanical characteristics Panel thickness	With flexible wires		kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (C) Hp (C) Hp (C)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1	With flexible wires		kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) Hp (A)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 1,20 2x2,5-10
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connecting capability			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup>	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connection terminal screw dimensions			kA A UL/CSA V UL/CSA A Arms A A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr Cycles/hr Mm <sup>2</sup> AWG mm <sup>2</sup> Type	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating voltage   General use current   Short circuit rating @600Vac   Fuse size (Class RK5, 600Vac, 200kA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole     Mechanical characteristics   Panel thickness   Mechanical life   Connection according to IEC 9471-1 and EN 50947-1   Connection terminal screw dimensions   Screw tightening torque			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mp (A) Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup>	10 35 600/600 25/25 5000 60 2 (24/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1			kA A UL/CSA V UL/CSA A Arms A A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr Cycles/hr Mm <sup>2</sup> AWG mm <sup>2</sup> Type	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RKS, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connection terminal screw dimensions         Screw tightening torque         Protection degree IEC 529 EN 60529         Terminals			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (C) Hp (C)	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connecting capability         Connection degree dimensions         Screw tightening torque         Protection degree IEC 529 EN 60529         Terminals         Ambient conditions			kA A UL/CSA V UL/CSA A Arms A A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) M Hp (A) Hp	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20
Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connection terminal screw dimensions         Screw tightening torque         Protection degree IEC 529 EN 60529         Terminals         Cambient conditions         Operating ambient temperature			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr Cycles/hr Cycles/hr Mm <sup>2</sup> AWG mm <sup>2</sup> Type Nm	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (11)/15 4 120 2 2x2,5-10 14-8 2x2,5-16 M4 1,7 20 20
Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating voltage   General use current   Short circuit rating @600Vac   Fuse size (Class RKS, 600Vac, 200KA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole     Mechanical characteristics   Panel thickness   Mechanical life   Connection according to IEC 9471-1 and EN 50947-1   Connection terminal screw dimensions   Screw tightening torque   Protection degree IEC 529 EN 60529   Terminals   Ambient conditions   Operating ambient temperature   Storage ambient temperature			kA A UL/CSA V UL/CSA A Arms A A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) M Hp (A) Hp	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20 20
Nated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Sated operating voltage         Seneral use current         Short circuit rating @600Vac         use size (Class RKS, 600Vac, 200kA.A.I.C.)         Atated operating power         L phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Vechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connection terminal screw dimensions         Screw tightening torque         Protection degree IEC 529 EN 60529         Ferminals         Mehent conditions         Operating ambient temperature			kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr Cycles/hr Cycles/hr Mm <sup>2</sup> AWG mm <sup>2</sup> Type Nm	10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (11)/15 4 120 2 2x2,5-10 14-8 2x2,5-16 M4 1,7 20 20

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