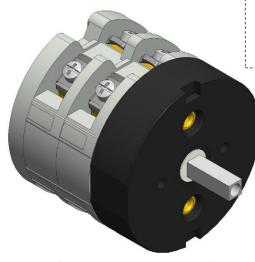


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ISO 9001 Certified Quality System

Cod. CA0500006PL3



(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

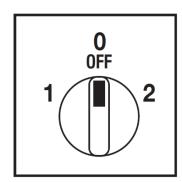
Technical characteristics: Body

- Change-over switch 2 pole
- IP00 Protection degree
- Rated operational current le: 50A (AC-21A)
- Rated thermal current Ith: 63A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 40mm 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.

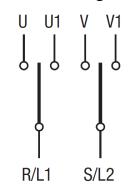
Technical characteristics: Knob

- Transparent plate 105x105mm and black knob
- Fixing with 2 screws at 40mm vertical
- IP 40 Protection degree

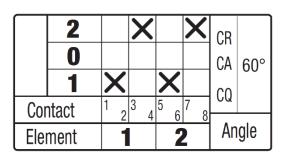
Positions



Electrical diagram



Electrical function



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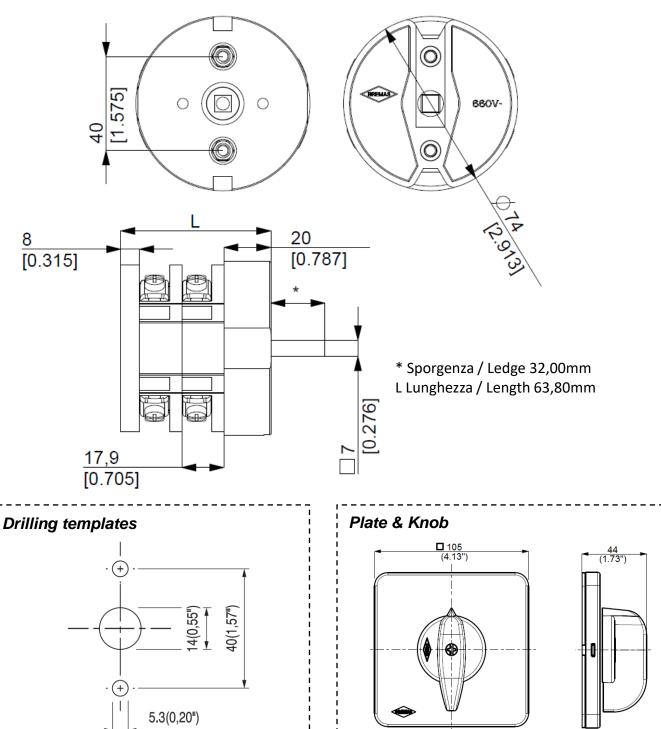
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measures in mm (in)

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Dimensions



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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		Ith	A	63
Rated thermal current for enclosed switch		Ithe	А	63
Rated operation frequency			Hz	50/60
Power dissipation for each pole			w	1,5
Rated operating current				•
AC-21A Switching resistive loads, including moderate overloads		le	A	50
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	40
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		Kw (A)	11 (35)
		Kw (A)	22 (40)	
	500V	KW (A) KW (A)	22 (40)	
	690V	Kw (A)	20 (20)	
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	3 (36)
Acres A switching of motor loads of other highly inductive loads 1 phase - 2 pole		230V		6,5 (36)
	AC-3 Souirel case motors: starting switching off motors during running 3 phase - 3 pole		Kw (A)	
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	230V	Kw (A)	10 (35)	
	400V	Kw (A)	17,5 (32)	
	500V	Kw (A)	17,5 (27)	
AC 2 Cauloral and material charters studies and material union summer 1 alors - 2 and		690V	Kw (A)	18,5 (21)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	2,6 (32)
	230V	Kw (A)	5,5 (30)	
	400V	Kw (A)	-	
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	3,2 (11)
	400V	Kw (A)	6 (11)	
AC-15 Control of a.c electromagnetic loads		230V	A .	-
		400V 230V	A .	-
Rated breaking capability in AC-23A (cos φ=0,45)	tated breaking capability in AC-23A (cos φ=0,45)		A	330
		400V	A	330
Short circuit protection				500
Rated short time withstand current		lcw	A .	500
Rated short-circuit make capacity		lcm	A	2000
Rated conditional short-circuit current		-	kA	10
With fuses class gG		500V	A	50
Theonical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/-
General use current		le	UL/CSA A	50/-
Short circuit rating @600Vac			Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			А	60
Rated operating power				00
1 phase - 2 pole				00
		120V	Hp (A)	3 (34)/-
		240V	Hp (A) Hp (A)	3 (34)/- 7,5 (40)/-
				3 (34)/-
		240V	Hp (A)	3 (34)/- 7,5 (40)/-
		240V 200V	Нр (А) Нр (А)	3 (34)/- 7,5 (40)/- 10 (32,2)/-
3 phase - 3 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A)	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/-
3 phase - 3 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A)	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/-
3 phase - 3 pole Mechanical characteristics Panel tickness		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A)	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/-
3 phase - 3 pole Mechanical characteristics Panel tickness		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/-
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life		240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5
3 phase - 3 pole Mechanical characteristics Panel tickness	With flexible wires	240V 200V 240V 480V 600V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	With flexible wires	240V 200V 240V 480V 600V Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x10 ⁶ Cycles/hr mm ²	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connection 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) Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ²	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16
3 phase - 3 pole Mechanical characteristics Panel tickness 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	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) (A) Сусles x 10 ⁶ Суcles x 10 ⁶ Суcles/hr mm ² AWG mm ² Туре	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 20 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connection g capability Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) Нр (A) Нр (A) Нр (A) (A) Сусles x 10 ⁶ Суcles x 10 ⁶ Суcles/hr mm ² AWG mm ² Туре	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Mm Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ² AWG mm ² Type Nm	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Crew 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) Mm Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ² AWG mm ² Type Nm	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 4 1,5 120 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical IIfe Connection according to IEC 9471-1 and EN 50947-1 Connection according to IEC 9471-1 and EN 50947-1 Connection grapability 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	Hp (A) 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	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 25 (27)/- 4 4 1,5 120 2x2,5-10 14-8 2x2,5-10 14-8 2x2,5-16 M4 1,7 00
3 phase - 3 pole Mechanical characteristics Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connection according to IEC 9471-1 and EN 50947-1 Connection carpability Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm IP	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 25 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-10 14-8 2x2,5-16 M4 1,7 - 00
I phase - 3 pole		240V 200V 240V 480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm IP	3 (34)/- 7,5 (40)/- 10 (32,2)/- 15 (42)/- 20 (27)/- 20 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 00 -25 ± +55 -30 ± +70

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