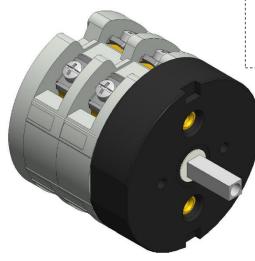


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ISO 9001 Certified Quality System

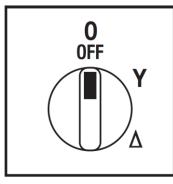
Cod. CA0500010PL3



(Image is purely indicative)



Positions



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

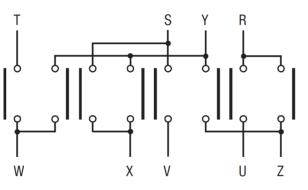
Technical characteristics: Body

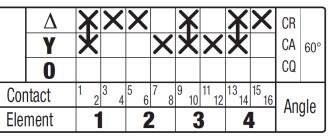
- STAR-DELTA starter
- IP00 Protection degree
- Rated operational current le: 50A (AC-21A)
- Rated thermal current Ith: 63A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 40mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

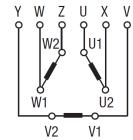
Technical characteristics: Knob

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

Electrical diagram and function







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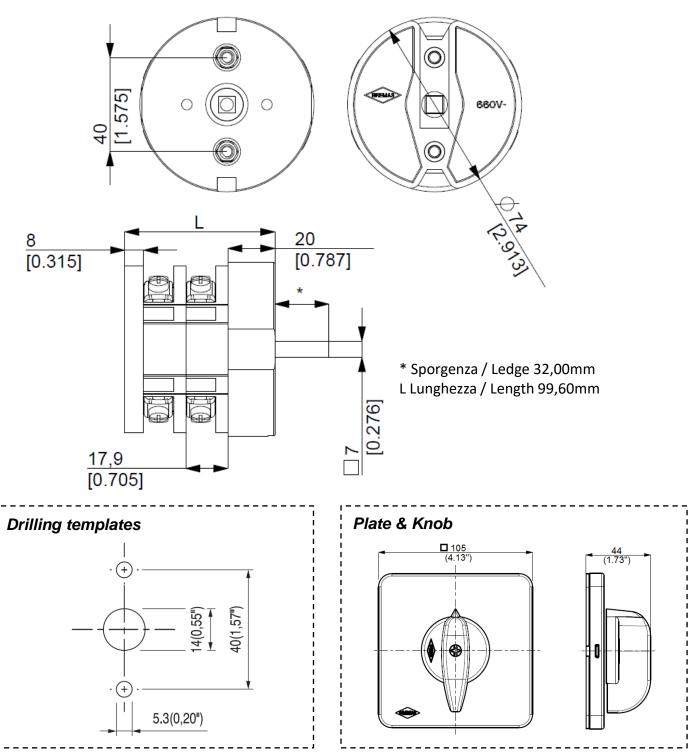
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Dimensions

measures in mm (in)



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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	А	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			
	230V	Kw (A)	11 (35)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	400V	Kw (A)	22 (40)
	500V	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)
	230V	Kw (A)	6,5 (36)
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)
	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	А	-
	400V	А	-
Rated breaking capability in AC-23A (cos ϕ =0,45)	230V	А	330
	400V	А	330
Fort circuit protection			
Rated short time withstand current	lcw	А	500
Rated short-circuit make capacity	lcm	А	2000
Rated conditional short-circuit current	-	kA	10
With fuses class gG	500V	А	50
Thecnical data UL/CSA			
Rated operating voltage	Ue	UL/CSA V	600/-
General use current	le	UL/CSA A	50/-
Short circuit rating @600Vac	10	Arms	5000
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)		A	60
		A	00
Rated operating power	4201/	11- (4)	2/201/
1 phase - 2 pole	120V	Hp (A)	3 (34)/-
	240V	Hp (A)	7,5 (40)/-
3 phase - 3 pole	200V	Hp (A)	10 (32,2)/-
			15 (42)/-
	240V	Hp (A)	
	480V	Hp (A)	20 (27)/-
	480V 600V	Hp (A) Hp (A)	20 (27)/- 25 (27)/-
Panel tickness	480V	Hp (A) Hp (A) mm	20 (27)/- 25 (27)/- 4
Panel tickness	480V 600V	Hp (A) Hp (A) mm Cycles x 10 ⁶	20 (27)/- 25 (27)/- 4 1,5
Mechanical life	480V 600V	Hp (A) Hp (A) mm	20 (27)/- 25 (27)/- 4
Panel tickness	480V 600V	Hp (A) Hp (A) mm Cycles x 10 ⁶	20 (27)/- 25 (27)/- 4 1,5
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	480V 600V	Hp (A) Hp (A) mm Cycles x 10 ⁶	20 (27)/- 25 (27)/- 4 1,5
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	480V 600V Max	Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr	20 (27)/- 25 (27)/- 4 1,5 120
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	480V 600V Max Min-Max	Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr mm ²	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires With solid wires	480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm ² AWG	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires	480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ²	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection terminal screw dimensions Connection terminal screw dimensions Screw tightening torque	480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) 	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connection carrier dimensions Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529	480V 600V Max Min-Max Min-Max	Нр (A) Нр (A) 	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability Connection terminal screw dimensions Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals	480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr mm ³ AWG mm ² Type Nm	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability Connecting capability Connecting the intervent of t	480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ² AWG mm ² Type Nm	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 00
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability With flexible wires Connection terminal screw dimensions Connection terminal screw dimensions Serew tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature	480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ³ AWG mm ³ Type Nm IP	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 00 00
Panel tickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability With flexible wires With flexible wires With solid wires Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature Storage ambient temperature	480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) mm Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ² AWG mm ² Type Nm	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 - 00 00 -25 ÷ +55 -30 ÷ +70
Panel tickness Wechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability With flexible wires Connection terminal screw dimensions Connection terminal screw dimensions Connection degree IEC 529 EN 60529 Ferminals Ambient conditions Deprating ambient temperature	480V 600V Max Min-Max Min-Max	Hp (A) Hp (A) Cycles x 10 ⁶ Cycles/hr Cycles/hr Mm ³ AWG mm ³ Type Nm IP	20 (27)/- 25 (27)/- 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 00 00

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