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Tel +39 02 95651611 Fax +39 02 95651639
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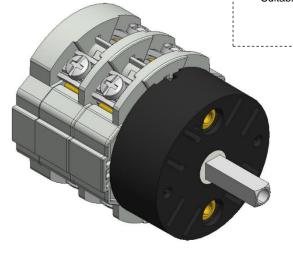
ISO 9001 Certified Quality System

Cod. CA0120003PL1

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





(Image is purely indicative)



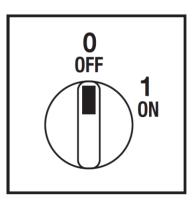
Technical characteristics: Body

- Three-pole switch
- IP00 Protection degree
- Rated operational current le: 12A
- · Rated thermal current Ith: 16A
- Rated insulation voltage Ui: 690V
- · Panel 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.

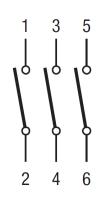
Technical characteristics: Knob

- Transparent plate 52x52mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP 40 Protection degree

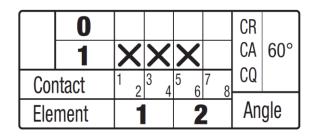
Positions



Electrical diagram



Electrical function

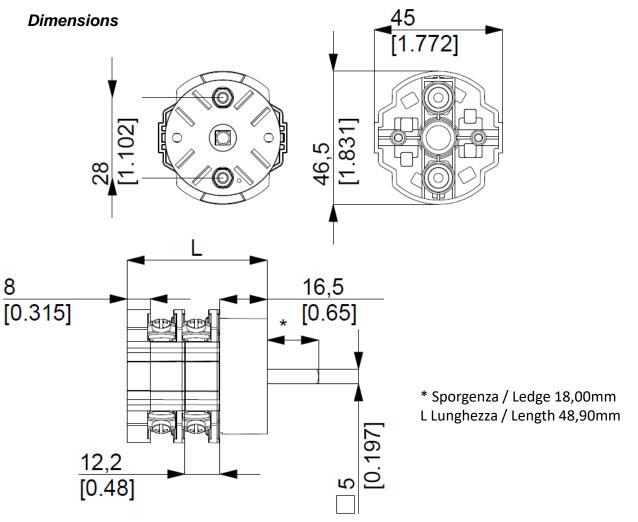


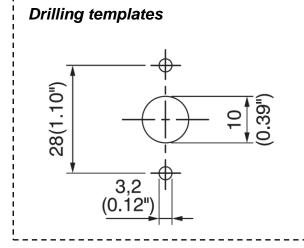
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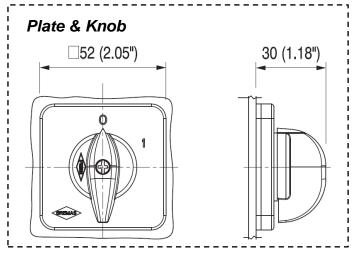
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measures in mm (in)









Bremas Ersce SpA

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ISO 9001 Certified Quality System

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echnical data IEC 947-3 EN 60947-3				
ated insulation voltage		Ui	V	690
ated operating voltage		Ue	V	690
ated impulse withstand voltage		Uimp	kV	6
ated thermal current for open switch		Ith	Α	16
ated thermal current for enclosed switch		Ithe	Α	16
ated operation frequency			Hz	50/60
ower dissipation for each pole			W	0.27
ated operating current			**	0.27
C-21A Switching resistive loads, including moderate overloads		le	Α	12
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	12
C-20A Connecting and disconnecting under no loads conditions		16	Λ	-
ated operating power				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	3 (9)
		400V		
			Kw (A)	4 (9)
		500V	Kw (A)	-
ac 224 Collection of an experience when bight industry leaded of		690V	Kw (A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	110V	Kw (A)	0,75 (8,5)	
		230V	Kw (A)	1,5 (8,5)
	230V	Kw (A)	2,2 (7)	
		400V	Kw (A)	3,5 (7)
		500V	Kw (A)	-
		690V	Kw (A)	-
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole	110V	Kw (A)	0,37 (4)	
		230V	Kw (A)	1,1 (6)
		400V	Kw (A)	-
C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	-
5 Toquire: cage motors: starting, probbigin, mening		400V	Kw (A)	-
C-15 Control of a.c electromagnetic loads		230V	Α Α	4
-13 Control of all electromagnetic loads		400V	A	3
ated breaking capability in AC-23A (cos φ=0,45)		230V	Α .	72
		400V	Α	72
nort circuit protection				
ated short time withstand current		lcw	Α	150
ated short-circuit make capacity		Icm	A	-
ated conditional short-circuit current		-	kA	4
Tith fuses class gG		500V	Α	16
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/ -
eneral use current		le	UL/CSA A	12
			Arms	5000
nort circuit rating @600Vac				
			Α	60
se size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
se size (Class RK5, 600Vac, 200kA A.I.C.) Ited operating power		120V		
se size (Class RK5, 600Vac, 200kA A.I.C.) Ited operating power		120V 240V	Нр (А)	0,5 (9,8)
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole		240V	Нр (A) Нр (A)	0,5 (9,8) 1,5 (10)
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole		240V 200V	Hp (A) Hp (A) Hp (A)	0,5 (9,8) 1,5 (10) 1,5 (6,9)
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power bhase - 2 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A) Hp (A)	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8)
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power bhase - 2 pole		240V 200V 240V 480V	Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8)
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole		240V 200V 240V	Hp (A) Hp (A) Hp (A) Hp (A)	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8)
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics		240V 200V 240V 480V 600V	Hp (A)	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1)
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics and tickness		240V 200V 240V 480V	Hp (A)	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1)
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics and tickness		240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1)
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics nel tickness echanical life		240V 200V 240V 480V 600V	Hp (A)	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1)
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power shase - 2 pole schanical characteristics mel tickness echanical life nnection according to IEC 9471-1 and EN 50947-1		240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶ Cycles/hr	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics nel tickness echanical life ennection according to IEC 9471-1 and EN 50947-1	n flexible wires	240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1)
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics nel tickness echanical life ennection according to IEC 9471-1 and EN 50947-1	n flexible wires	240V 200V 240V 480V 600V	Hp (A) Cycles x 10 ⁶ Cycles/hr	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2
se size (Class RK5, 600Vac, 200kA A.I.C.) Inted operating power phase - 2 pole phase - 3 pole echanical characteristics Intel tickness echanical life Intel tickness echanical life Intel tickness I	n flexible wires	240V 200V 240V 480V 600V Max	Hp (A) Cycles x 10 ⁶ Cycles/hr	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120
se size (Class RK5, 600Vac, 200kA A.I.C.) Inted operating power phase - 2 pole phase - 3 pole echanical characteristics Intel tickness echanical life Intel tickness I		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10
se size (Class RK5, 600Vac, 200kA A.I.C.) Inted operating power phase - 2 pole phase - 3 pole echanical characteristics Intel tickness echanical life Intel tickness I		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm AWG mm²	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6
ise size (Class RK5, 600Vac, 200kA A.I.C.) ated operating power phase - 2 pole phase - 3 pole dechanical characteristics anel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability With with connection terminal screw dimensions crew tightening torque		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
see size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics smel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability With connection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
se size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics mel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability with connection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 erminals		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
se size (Class RK5, 600Vac, 200kA A.I.C.) Inted operating power phase - 2 pole phase - 3 pole echanical characteristics Intel tickness echanical life Intel tickness echanical characteristics Intel tickness echanical life Intel tickness echanical characteristics Intel tickness echanical life Intel ti		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
se size (Class RK5, 600Vac, 200kA A.I.C.) ted operating power phase - 2 pole phase - 3 pole echanical characteristics nel tickness echanical life innection according to IEC 9471-1 and EN 50947-1 innecting capability with innection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529 rminals inbient conditions perating ambient temperature		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm AWG mm² Type Nm IP	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
see size (Class RK5, 600Vac, 200kA A.I.C.) sted operating power phase - 2 pole phase - 3 pole echanical characteristics smel tickness echanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability With connection terminal screw dimensions rew tightening torque otection degree IEC 529 EN 60529		240V 200V 240V 480V 600V Max Min-Max	Hp (A) Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type Nm	0,5 (9,8) 1,5 (10) 1,5 (6,9) 2 (6,8) 3 (4,8) 5 (6,1) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5

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