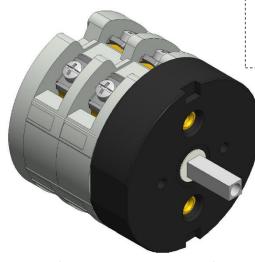


Bremas Ersce SpA Via castellazzo 9 - 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

#### Cod. CA0500039PL3



(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

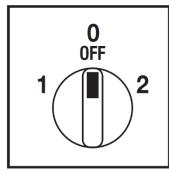
## Technical characteristics: Body

- Change-over switch 4 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.

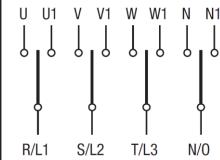
### Technical characteristics: Knob

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

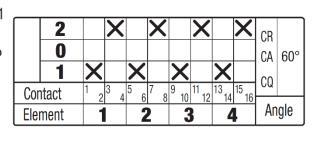
Positions







## Electrical function



© 2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer/ user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.





 Bremas Ersce SpA

 Via castellazzo 9 - 20040 Cambiago (MI)

 Tel +39 02 95651611
 Fax +39 02 95651639

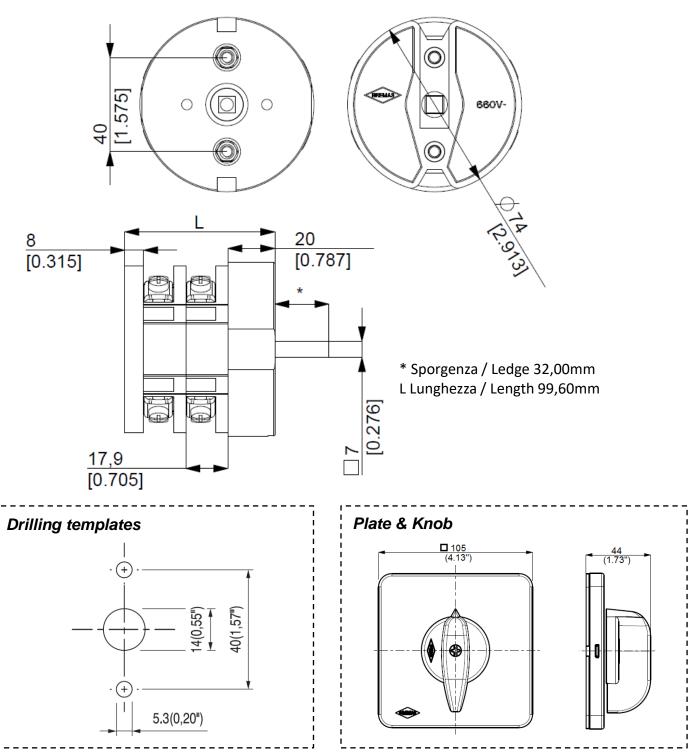
 www.bremas.eu
 info@bremas.it

ISO 9001 Certified Quality System

# Cod. CA0500039PL3

### **Dimensions**

measures in mm (in)



© 2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer / user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.



 Bremas Ersce SpA

 Via castellazzo 9 - 20040 Cambiago (MI)

 Tel +39 02 95651611

 Fax +39 02 95651639

 www.bremas.eu

 info@bremas.it

ISO 9001 Certified Quality System

### Cod. CA0500039PL3

Fechnical 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
lated thermal current for open switch		Ith	A	63
tated thermal current for enclosed switch		Ithe	A	63
		ittle	Hz	50/60
tated operation frequency				
Power dissipation for each pole			W	1,5
tated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	А	50
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	40
C-20A Connecting and disconnecting under no loads conditions				-
ated operating power				
C-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	11 (35)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		400V	Kw (A)	22 (40)
		500V	Kw (A)	22 (32)
		690V	Kw (A)	20 (20)
		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)	-
C-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	3,2 (11)
0.000 000 000 000 000 000 000 000 000 0		400V	Kw (A)	6 (11)
C-15 Control of a.c electromagnetic loads		230V	Α	- (/
		400V	A	
Anto di secolular secolulus de AR AAA (secolul AR)		230V		220
ated breaking capability in AC-23A (cos $\phi$ =0,45)			A	330
		400V	A	330
hort circuit protection				
lated short time withstand current		lcw	A	500
ated short-circuit make capacity		lcm	A	2000
ated conditional short-circuit current		-	kA	10
Vith fuses class gG		500V	Α	50
hecnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/-
ieneral use current		le	UL/CSA A	50/-
hort circuit rating @600Vac			Arms	5000
			A	60
use size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
ated operating power				
phase - 2 pole		120V	Hp (A)	3 (34)/-
		240V	Hp (A)	7,5 (40)/-
3 phase - 3 pole		200V	Hp (A)	10 (32,2)/-
		240V	Hp (A)	15 (42)/-
		480V	Hp (A)	20 (27)/-
		600V	Hp (A)	25 (27)/-
lechanical characteristics				
and tisknoss		Max	mm	4
anel tickness			Cycles x 10 <sup>6</sup>	1,5
			Cycles/hr	120
lechanical life			Cycles/hr	120
lechanical life nnection according to IEC 9471-1 and EN 50947-1	With florible uses	Adia Adau		
echanical life onnection according to IEC 9471-1 and EN 50947-1	With flexible wires	Min-Max	mm²	2x2,5-10
echanical life onnection according to IEC 9471-1 and EN 50947-1		Min-Max	mm² AWG	2x2,5-10 14-8
iechanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability	With flexible wires With solid wires		mm² AWG mm²	2x2,5-10 14-8 2x2,5-16
echanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions		Min-Max	mm² AWG mm² Type	2x2,5-10 14-8 2x2,5-16 M4
echanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions crew tightening torque		Min-Max	mm² AWG mm²	2x2,5-10 14-8 2x2,5-16
Iechanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions crew tightening torque		Min-Max	mm² AWG mm² Type	2x2,5-10 14-8 2x2,5-16 M4
techanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529		Min-Max	mm² AWG mm² Type	2x2,5-10 14-8 2x2,5-16 M4
Arechanical life Arechanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529 erminals mbient conditions		Min-Max	mm² AWG mm² Type Nm	2x2,5-10 14-8 2x2,5-16 M4 1,7
techanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529 erminals		Min-Max	mm² AWG mm² Type Nm	2x2,5-10 14-8 2x2,5-16 M4 1,7 00
techanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529 erminals mbient conditions perating ambient temperature		Min-Max	mm² AWG mm² Type Nm IP	2x2,5-10 14-8 2x2,5-16 M4 1,7 00 -25 ÷ +55
techanical life onnection according to IEC 9471-1 and EN 50947-1 onnecting capability onnection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529 erminals mbient conditions		Min-Max	mm² AWG mm² Type Nm IP IP	2x2,5-10 14-8 2x2,5-16 M4 1,7

© 2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer / user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.