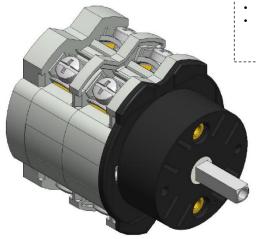


Via castellazzo 9 - 20040 Cambiago (MI)

Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

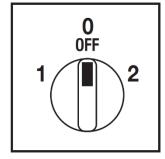
#### Cod. CA0250009PL2



(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



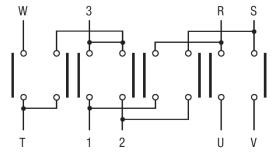
# Technical characteristics: Body

- Changing switch Dahlander pole
- IP00 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

- Transparent plate 75,5x75,5mm and black knob
- · Fixing with 2 screws at 28mm vertical
- · IP 40 Protection degree

## Electrical diagram and function





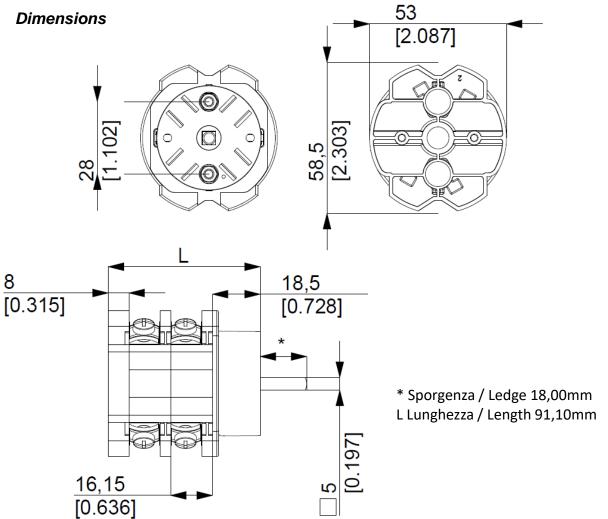
Via castellazzo 9 - 20040 Cambiago (MI)

Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.eu info@bremas.it

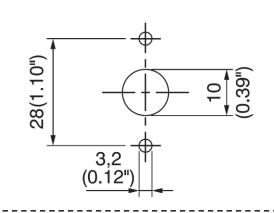
ISO 9001 Certified Quality System

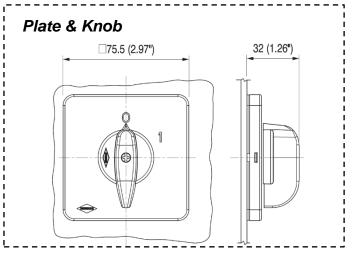
## Cod. CA0250009PL2

measures in mm (in)



# Drilling templates





© 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. CA0250009PL2

Technical data IEC 947-3 EN 60947-3				
		Ui	V	690
Rated insulation voltage Rated operating voltage		Ue	V	690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		Ith	A	32
Rated thermal current for enclosed switch		Ithe	A	32
Rated operation frequency		ittle	Hz	50/60
Power dissipation for each pole			W	1
			vv	1
Rated operating current		le	A	25
AC-21A Switching resistive loads, including moderate overloads  AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	20
AC-20A Connecting and disconnecting under no loads conditions		ie		-
Rated operating power				-
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	7,5 (24)
		400V	Kw (A)	11 (20)
		500V	Kw (A)	11 (20)
		690V	Kw (A)	11 (11)
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		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 AC-15 Control of a.c electromagnetic loads		230V	Kw (A)	2,2 (17)
		400V	Kw (A)	3 (5,5)
		230V	Α	8
		400V	Α	6
Rated breaking capability in AC-23A (cos φ=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
With fuses class gG		500V	A	35
Technical data UL/CSA		300 ¥		33
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	25/25
		ie	Arms	5000
Short circuit rating @600Vac				
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			Α	60
Rated operating power		42014	(4)	2 (24) (
1 phase - 2 pole		120V	Hp (A)	2 (24)/-
		240V	Hp (A)	3 (17)/6
3 phase - 3 pole		200V	Hp (A)	5 (17,5)/-
		240V	Hp (A)	7,5 (22)/-
		480V	Hp (A)	10 (14)/-
		600V	Hp (A)	10 (11)/15
Mechanical characteristics				
Panel tickness		Max	mm	4
Machanical life			Cycles x 10 <sup>6</sup>	1,5
Mechanical life				
wechanica nie			Cycles/hr	120
				120
Connection according to IEC 9471-1 and EN 50947-1	With flexible wires	Min-Max		120 2x2,5-10
Connection according to IEC 9471-1 and EN 50947-1	With flexible wires	Min-Max Min-Max	Cycles/hr	
Connection according to IEC 9471-1 and EN 50947-1	With flexible wires With solid wires		Cycles/hr mm²	2x2,5-10
Connection according to IEC 9471-1 and EN 50947-1 Connecting capability	-	Min-Max	Cycles/hr  mm²  AWG  mm²	2x2,5-10 14-8
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions	-	Min-Max	Cycles/hr  mm²  AWG  mm²  Type	2x2,5-10 14-8 2x2,5-16 M4
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions  Screw tightening torque	-	Min-Max	Cycles/hr  mm²  AWG  mm²	2x2,5-10 14-8 2x2,5-16
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529	-	Min-Max	Cycles/hr  mm²  AWG  mm²  Type  Nm	2x2,5-10 14-8 2x2,5-16 M4 1,7
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals	-	Min-Max	Cycles/hr  mm²  AWG  mm²  Type	2x2,5-10 14-8 2x2,5-16 M4
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals  Ambient conditions	-	Min-Max	Cycles/hr  mm²  AWG  mm²  Type  Nm	2x2,5-10 14-8 2x2,5-16 M4 1,7
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals  Ambient conditions  Operating ambient temperature	-	Min-Max	Cycles/hr  mm²  AWG  mm²  Type  Nm	2x2,5-10 14-8 2x2,5-16 M4 1,7
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals  Ambient conditions  Operating ambient temperature  Storage ambient temprature	-	Min-Max	Cycles/hr  mm²  AWG  mm²  Type  Nm	2x2,5-10 14-8 2x2,5-16 M4 1,7 00 -25 ÷ +55 -30 ÷ +70
Connection according to IEC 9471-1 and EN 50947-1  Connecting capability  Connection terminal screw dimensions  Screw tightening torque  Protection degree IEC 529 EN 60529  Terminals  Ambient conditions  Operating ambient temperature	-	Min-Max	Cycles/hr  mm²  AWG  mm²  Type  Nm	2x2,5-10 14-8 2x2,5-16 M4 1,7