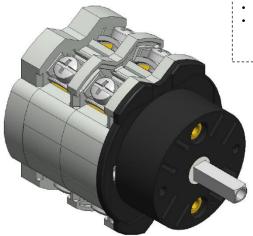
Via castellazzo 9 - 20040 Cambiago (MI)
Tel +39 02 95651611 Fax +39 02 95651639
www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

Cod. CA0400003PL2



(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



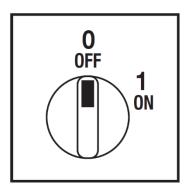
Technical characteristics: Body

- ON-OFF swtch 3 pole
- IP00 Protection degree
- Rated operational current le: 40A (AC-21A)
- Rated thermal current Ith: 50A
- 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.

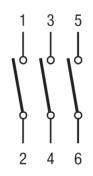
Technical characteristics: Knob

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

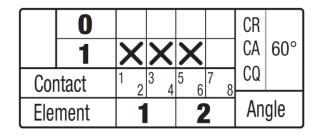
Positions



Electrical diagram



Electrical function



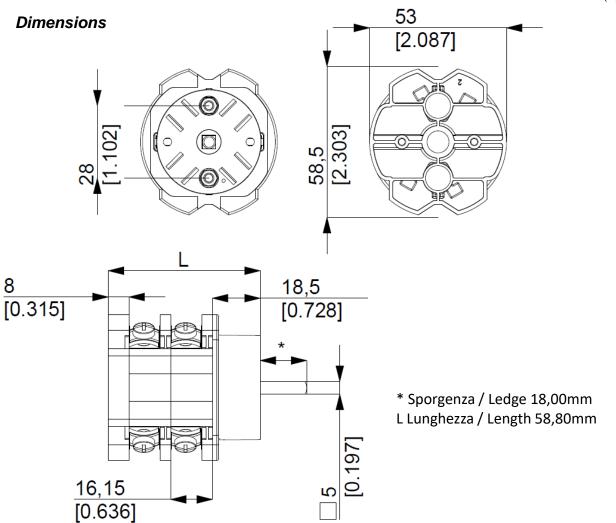


Via castellazzo 9 - 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 info@bremas.it www.bremas.eu

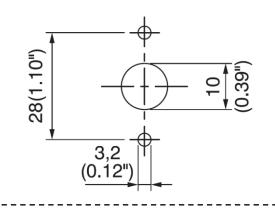
ISO 9001 Certified Quality System

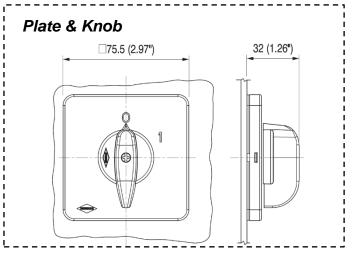
Cod. CA0400003PL2

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. CA0400003PL2

echnical data IEC 947-3 EN 60947-3			
ated insulation voltage	l	Ji V	690
ated operating voltage	ι	e V	690
ated impulse withstand voltage	Ui	mp kV	6
ated thermal current for open switch	il i	•	50
ated thermal current for enclosed switch	It		50
ated operation frequency		Hz	
ower dissipation for each pole		W	1,3
ated operating current		**	1,3
C-21A Switching resistive loads, including moderate overloads	ı	e A	40
C-22A Switching of mixed resistive and inductive loads, including moderate overloads			32
	'	e A	- 32
C-20A Connecting and disconnecting under no loads conditions			
ated operating power	22	0)/ //	10 (22)
C-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	23		
		0V Kw (A	
	50	•	
	69	0V Kw (A	
C-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole	11	,	
	23	0V Kw (A	A) 5,5 (30)
C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	23	0V Kw (A	A) 7,5 (24)
	40	0V Kw (A	A) 15 (27)
	50	0V Kw (A	A) 15 (22)
	69	0V Kw (A	A) 16 (16)
C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole	11		
		0V Kw (A	
C-4 Squirrel cage motors: starting, pluggign, inching	23	•	·
		0V Kw (A	
C-15 Control of a.c electromagnetic loads		0V A	10
c-15 Control of a.c electromagnetic loads		OV A	8
ated heading apphility in AC 228 (app. ap.) 45)	23		256
ated breaking capability in AC-23A (cos φ=0,45)			
	40	UV A	240
hort circuit protection			
ated short time withstand current	lo		500
ated short-circuit make capacity	lc		2000
ated conditional short-circuit current		101	10
/ith fuses class gG	50	OV A	50
echnical data UL/CSA			
ated operating voltage	ι		
eneral use current	I	e UL/CSA	A A 40/32
hort circuit rating @600Vac		Arms	s 5000
		A	60
use size (Class RK5, 600Vac, 200kA A.I.C.)			
ated operating power	12	OV Hp (A	3 (34)/2,5
ated operating power			
ated operating power phase - 2 pole	24	0V Hp (A	7,5 (40)/4,5
ated operating power phase - 2 pole	24	0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/-
ated operating power phase - 2 pole	24 20 24	0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/- A) 15 (42)/9,5
ated operating power phase - 2 pole	24 20 24 48	0V Hp (A 0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20
ated operating power phase - 2 pole phase - 3 pole	24 20 24 48	0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,5 A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20
phase - 3 pole phase - 3 pole phase - 3 pole	24 20 24 48 60	0V Hp (A 0V Hp (A 0V Hp (A 0V Hp (A 0V Hp (A	A) 7,5 (40)/4,; A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25
ated operating power phase - 2 pole phase - 3 pole lechanical characteristics anel tickness	24 20 24 48 60	0V Hp (A	A) 7,5 (40)/4,; A) 10 (32,2)/- A) 15 (42)/9,; A) 20 (27)/20 A) 20 (22)/25
phase - 2 pole phase - 3 pole phase in the state of the	24 20 24 48 60	0V Hp (A	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A 4 10 ⁶ 1,5
echanical characteristics and tickness echanical life	24 20 24 48 60	0V Hp (A	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A 4 10 ⁶ 1,5
sted operating power phase - 2 pole phase - 3 pole sechanical characteristics anel tickness sechanical life connection according to IEC 9471-1 and EN 50947-1	24 20 24 48 60 M	0V Hp (A 0V Hc (Cycles x	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/2C A) 20 (22)/25 A 10 ⁶ 1,5 /hr 120
sted operating power phase - 2 pole phase - 3 pole sechanical characteristics anel tickness sechanical life connection according to IEC 9471-1 and EN 50947-1	24 20 24 48 60 M exible wires Min	0V Hp (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/2(A) 20 (22)/25 A 106 1,5 /hr 120
phase - 2 pole phase - 3 pole phase - 3 pole phase bechanical characteristics phase bechanical life percentage of the phase because of the phase because of the phase bechanical life percentage of the phase because of	24 20 24 48 60 M exible wires Min Min	0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8
phase - 2 pole phase - 3 pole phase - 3 pole lechanical characteristics anel tickness lechanical life connection according to IEC 9471-1 and EN 50947-1 ponnecting capability With fi	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V	A) 7,5 (40)/4,; A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25 A 106 1,5 A 120 C 2 2x2,5-10 G 14-8 C 2x2,5-16
phase - 2 pole phase - 3 pole phase - 3 pole lechanical characteristics anel tickness lechanical life connection according to IEC 9471-1 and EN 50947-1 ponnecting capability With fi	24 20 24 48 60 M exible wires Min Min	0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9,5 A) 20 (27)/20 A) 20 (22)/25 A 106 1,5 A 120 2 2x2,5-10 6 14-8 2 2x2,5-16
Acted operating power phase - 2 pole phase - 3 pole International characteristics	24 20 24 48 60 M exible wires Min Min	OV Hp (A ax mm Cycles x Cycles x Cycles y Max Max AWG Max mm²	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8 A 2 2x2,5-16
ated operating power phase - 2 pole phase - 3 pole Itechanical characteristics anel tickness Itechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With fi	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V Hc (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8 A 2 2x2,5-16
Acted operating power phase - 2 pole phase - 3 pole Acted in a control of the	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V Hc (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A) 20 (22)/25 A 106 1,5 /hr 120 2 2x2,5-10 6 14-8 A 2 2x2,5-16
Acted operating power phase - 2 pole phase - 3 pole Connection according to IEC 9471-1 and EN 50947-1	24 20 24 48 60 M exible wires Min Min	0V Hp (A 0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/20 A) 20 (22)/25 A 20 (22)
phase - 2 pole phase - 3 pole	24 20 24 48 60 M exible wires Min Min	OV Hp (A ax mm Cycles x Cycles x Cycles, X Cycles, X Max mm² Max mm² Max mm² Nm IP	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9,1 A) 20 (27)/2C A) 20 (22)/25 A) 4 4 10 ⁶ 1,5 Ahr 120 2 2x2,5-10 6 14-8 2 2x2,5-16 9 M4 1,2
seted operating power phase - 2 pole phase - 3 pole sechanical characteristics anel tickness sechanical life connection according to IEC 9471-1 and EN 50947-1 connecting capability With fill With section according to remain a screw dimensions connection degree IEC 529 EN 60529 erminals mbient conditions perating ambient temperature	24 20 24 48 60 M exible wires Min Min	0V	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/26 A) 20 (22)/25 A) 4 A 106 1,5 Ahr 120 2 2x2,5-10 B 14-8 2 2x2,5-16 B M4 1,2 00 -25 ÷ +55
phase - 2 pole phase - 3 pole	24 20 24 48 60 M exible wires Min Min	OV Hp (A ax mm Cycles x Cycles x Cycles, X Cycles, X Max mm² Max mm² Max mm² Nm IP	A) 7,5 (40)/4, A) 10 (32,2)/- A) 15 (42)/9, A) 20 (27)/26 A) 20 (22)/25 A) 20 (22)/25 A 120 4 A 120 5 A 140 120 A 140 120 A 140 120 A 140 140 140 140 A 140 140 140 140 140 140 140 140 140 140

© 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.