

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. CR0120007RT4



(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



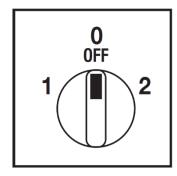
# Technical characteristics: Body

- · Change-over swtch 3 pole
- IP20 Protection degree
- Rated operational current le: 12A
- Rated thermal current Ith: 16A
- 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.

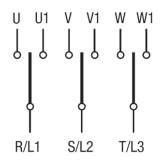
#### Technical characteristics: Knob

- Grey plate 48x48mm and black knob
- · IP66 Protection degree
- Fixing:- 2 screw at 28mm vertical

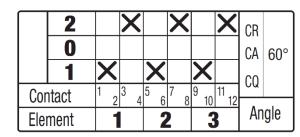
#### **Positions**



# Electrical diagram



#### Electrical function



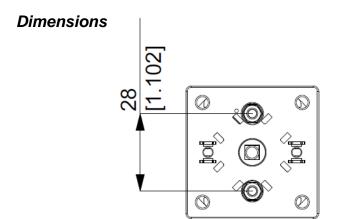


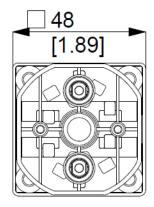
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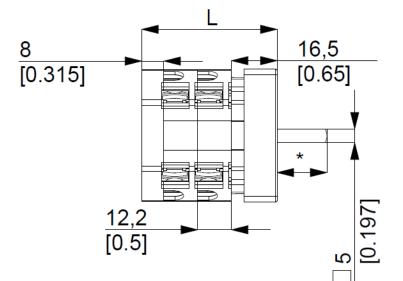
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measures in mm (in)

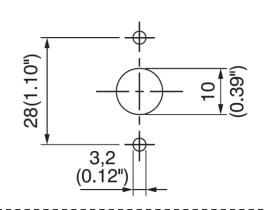


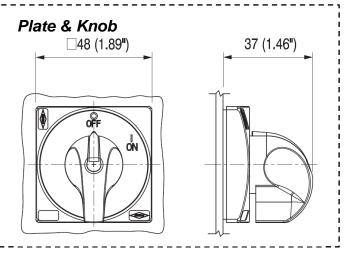




\* Sporgenza / Ledge 18,00mm L Lunghezza / Length 61,00mm

# **Drilling templates**







## Bremas Ersce SpA

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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	A	16
ated operation frequency			Hz	50/60
ower dissipation for each pole			W	0,27
ated operating current				0,2,
C-21A Switching resistive loads, including moderate overloads		le	A	12
				12
C-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	
C-20A Connecting and disconnecting under no loads conditions				-
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)	-
		690V	Kw (A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	Kw (A)	0,75 (8,
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	1,5 (8,5
		230V		2,2 (7)
		Kw (A)		
		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)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	-
ם יייניייי (ייסיססטיק (סיינייטי איניייי ב		400V	Kw (A)	
NC 15 Control of a collectromagnetic leads		230V	Α	4
AC-15 Control of a.c electromagnetic loads				
		400V	A	3
ated breaking capability in AC-23A (cos φ=0,45)		230V	A	72
		400V	A	72
hort circuit protection				
ated short time withstand current		lcw	Α	150
ated short-circuit make capacity		Icm	Α	-
ated conditional short-circuit current		-	kA	4
ith fuses class gG		500V	A	16
echnical data UL/CSA				
ated operating voltage		Ue	UL/CSA V	600/ -
eneral use current		le	UL/CSA A	12
ort circuit rating @600Vac			Arms	5000
ise size (Class RK5, 600Vac, 200kA A.I.C.)			A	60
ited operating power				
phase - 2 pole		120V	Hp (A)	0,5 (9,8
		240V	Hp (A)	1,5 (10
3 phase - 3 pole		200V	Hp (A)	1,5 (6,9
•		240V	Нр (А)	2 (6,8)
		480V		
		-	Hp (A)	3 (4,8)
		600V	Hp (A)	5 (6,1
echanical characteristics				
nel tickness		Max	mm	4
echanical life			Cycles x 10 <sup>6</sup>	2
			Cycles/hr	120
nnection according to IEC 9471-1 and EN 50947-1			?	2x1,5-
	With flexible wires	Min-Max	mm²	,-
	With flexible wires			16-10
		Min-Max	AWG	
nnecting capability	With flexible wires  With solid wires		AWG mm²	2x1,5-
onnecting capability onnection terminal screw dimensions		Min-Max	AWG mm² Type	16-10 2x1,5- M3,5
onnection according to IEC 9471-1 and EN 50947-1  onnecting capability  onnection terminal screw dimensions  rew tightening torque		Min-Max	AWG mm²	2x1,5-
onnecting capability onnection terminal screw dimensions		Min-Max	AWG mm² Type Nm	2x1,5- M3,5
onnecting capability  onnection terminal screw dimensions rew tightening torque  otection degree IEC 529 EN 60529		Min-Max	AWG mm² Type	2x1,5- M3,5
onnecting capability  onnection terminal screw dimensions rew tightening torque  otection degree IEC 529 EN 60529  orminals		Min-Max	AWG mm² Type Nm	2x1,5- M3,5 1
nnecting capability  nnection terminal screw dimensions rew tightening torque  otection degree IEC 529 EN 60529  rminals nbient conditions		Min-Max	AWG mm² Type Nm	2x1,5- M3,5 1
onnecting capability  onnection terminal screw dimensions  rew tightening torque  otection degree IEC 529 EN 60529  reminals  mbient conditions  perating ambient temperature		Min-Max	AWG mm² Type Nm	2x1,5-i M3,5 1 20 -25 ÷ +5
nnecting capability  nnection terminal screw dimensions rew tightening torque  otection degree IEC 529 EN 60529  rminals nbient conditions		Min-Max	AWG mm² Type Nm	2x1,5- M3,5 1

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