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www.bremas.eu info@bremas.it ISO 9001 Certified Quality System

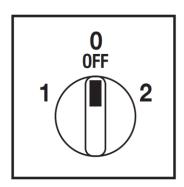
Cod. CR0160009RT6



(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



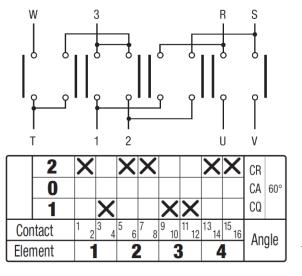
Technical characteristics: Body

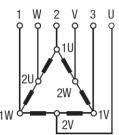
- · Changing swtch Dahlander pole
- IP20 Protection degree
- Rated operational current le: 16A
- Rated thermal current Ith: 20A
- Rated insulation voltage Ui: 690V
- · Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Assembled 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 67x67mm and black knob
- · IP66 Protection degree
- · Fixing:- 2 screw at 28mm vertical

Electrical diagram and function





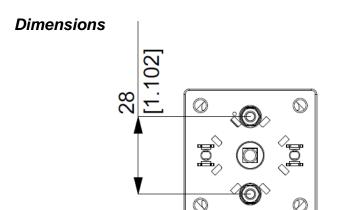


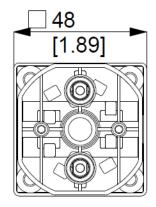
measures in mm (in)

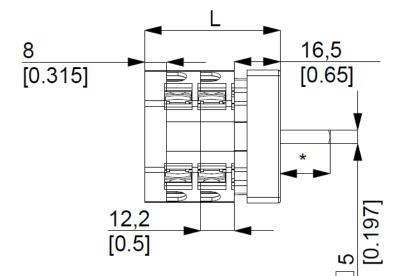
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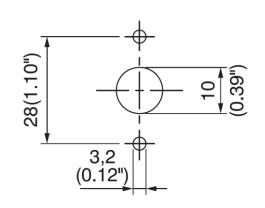


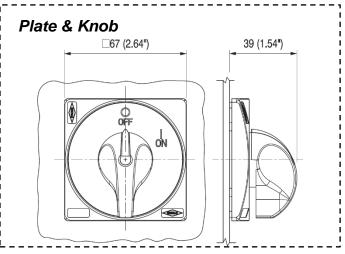




* Sporgenza / Ledge 18,00mm L Lunghezza / Length 73,20mm

Drilling templates





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echnical data IEC 947-3 EN 60947-3			
tated insulation voltage	Ui	V	690
tated operating voltage	Ue	V	690
lated impulse withstand voltage	Uimp	kV	6
lated thermal current for open switch	lth	Α	20
tated thermal current for enclosed switch	Ithe	Α	20
tated operation frequency		Hz W	50/60
ower dissipation for each pole		vv	0,5
tated operating current		A	16
IC-21A Switching resistive loads, including moderate overloads	le		16
C-22A Switching of mixed resistive and inductive loads, including moderate overloads	le	A	16
C-20A Connecting and disconnecting under no loads conditions			-
tated operating power			
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	230V	Kw (A)	4 (14)
	400V	Kw (A)	7,5 (14)
	500V	Kw (A)	-
	690V	Kw (A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole	110V	Kw (A)	1,1 (12)
	230V	Kw (A)	2,2 (14)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	230V	Kw (A)	3,7 (12)
	400V	Kw (A)	5,5 (10)
	500V	Kw (A)	-
AC-3 Squirral case motors starting switching off motors during running 1 phase - 2 pole	690V	Kw (A)	0.75 (0)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole	110V	Kw (A)	0,75 (9)
	230V	Kw (A)	1,5 (8)
	400V	Kw (A)	-
IC-4 Squirrel cage motors: starting, pluggign, inching	230V	Kw (A)	-
	400V	Kw (A)	-
IC-15 Control of a.c electromagnetic loads	230V	Α .	6
	400V	Α .	4
Rated breaking capability in AC-23A (cos φ=0,45)	230V	A	112
	400V	A	112
hort circuit protection	less		240
lated short time withstand current	Icw	A A	240
tated short-circuit make capacity tated conditional short-circuit current	Icm -	kA	4
With fuses class gG	500V	A	20
rechnical data UL/CSA	3007	A	20
tated operating voltage	Ue	UL/CSA V	600/-
General use current	le	UL/CSA A	16
hort circuit rating @600Vac		Arms	5000
use size (Class RK5, 600Vac, 200kA A.I.C.)		Α	25 (30)
tated operating power	1001	(4)	4446
1 phase - 2 pole	120V	Hp (A)	1 (16)
	240V	Hp (A)	2 (12)
3 phase - 3 pole	200V	Hp (A)	2 (7,8)
	240V	Hp (A)	3 (9,6)
	,		7,5 (11)
	480V	Hp (A)	
	480V 600V	нр (A) Нр (A)	7,5 (9)
Mechanical characteristics	600V	Hp (A)	7,5 (9)
ranel thickness		Hp (A)	7,5 (9) 4
	600V	Mp (A) mm Cycles x 10 ⁶	7,5 (9) 4 2
anel thickness Aechanical life	600V	Hp (A)	7,5 (9) 4
Panel thickness Acchanical life Connection according to IEC 9471-1 and EN 50947-1	600V Max	mm Cycles x 10 ⁶ Cycles/hr	7,5 (9) 4 2 120
anel thickness Aechanical life	Max Min-Max	Mp (A) mm Cycles x 10 ⁶ Cycles/hr mm ²	7,5 (9) 4 2 120 2x1,5-4
Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires	Min-Max Min-Max	mm Cycles x 10 ⁶ Cycles/hr mm ² AWG	7,5 (9) 4 2 120 2x1,5-4 16-10
Annel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires	Max Min-Max	mm Cycles x 10° Cycles/hr mm² AWG mm²	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6
Annel thickness Alechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions	Min-Max Min-Max	mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
Annel thickness Acchanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions Cornecting to rque	Min-Max Min-Max	mm Cycles x 10° Cycles/hr mm² AWG mm²	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6
And thickness Advancetion according to IEC 9471-1 and EN 50947-1 Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions Connection terminal screw dimensions Connection degree IEC 529 EN 60529	Min-Max Min-Max	mm Cycles x 10 ⁶ Cycles/hr mm ² AWG mm ² Type Nm	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
anel thickness Acchanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions Cornection degree IEC 529 EN 60529 Ferminals	Min-Max Min-Max	mm Cycles x 10 ⁶ Cycles/hr mm² AWG mm² Type	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5
anel thickness Acchanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions Cornection degree IEC 529 EN 60529 Terminals Authority Conditions	Min-Max Min-Max	mm Cycles x 10° Cycles/hr mm² AWG mm² Type Nm	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1
anel thickness Acchanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions Cornection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature	Min-Max Min-Max	mm Cycles x 10° Cycles/hr mm² AWG mm² Type Nm	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1 20
Annel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions Corew tightening torque Votection degree IEC 529 EN 60529 Vereninals Verbille to conditions Operating ambient temperature Votorge ambient temperature	Min-Max Min-Max	mm Cycles x 10° Cycles/hr mm² AWG mm² Type Nm	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1 20 -25 ÷ +55 -30 ÷ +70
anel thickness Acchanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability With flexible wires With solid wires Connection terminal screw dimensions Cornection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature	Min-Max Min-Max	mm Cycles x 10° Cycles/hr mm² AWG mm² Type Nm	7,5 (9) 4 2 120 2x1,5-4 16-10 2x1,5-6 M3,5 1 20