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ISO 9001 Certified Quality System

Cod. CA0630007PL3

Standard and Approvals

- Cam switch according to IEC/EN 60947-3
- UL508 approved and CSA C22.2 No. 14-10
- Suitable for manual motor control



(purely indicative picture)

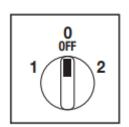
Technical characteristics: Body

- IP00 Protection degree
- Rated operational current le: 75A
- Rated thermal current Ith: 80A
- Rated insulation voltage Ui: 690V
- Rear Mounting
- · Fixing with 2 screws at 40mm vertical
- Switching angle: 60°
- Assembled with metal shaft and threaded stud bolts to
 ensure maximum operating reliability
- Positive opening double break contacts, made of silver and alloy.

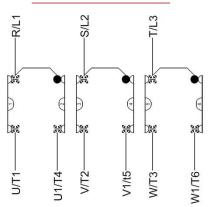
Technical characteristics: Plate and knob

- Transparent plate 105x105mm and black knob
- IP54 Protection degree with gasket
- Fixing with 2 screws at 40mm vertical

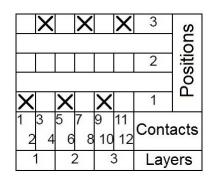
Plate and positions



Electrical diagram



Electrical function



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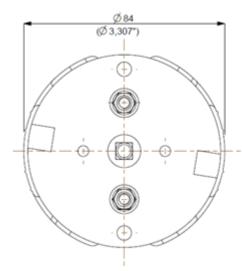
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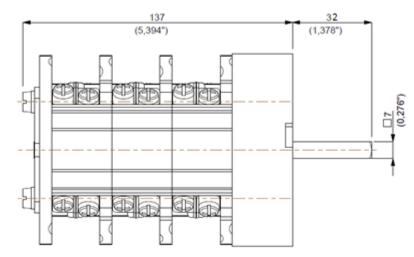
ISO 9001 Certified Quality System

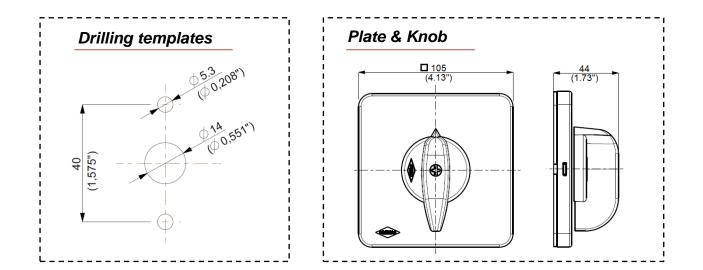
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Dimensions

measures in mm (inches)







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Technical 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
Rated thermal current for open switch		Ith	А	80
Rated thermal current for enclosed switch		Ithe	А	80
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	2,5
Rated operating current				/-
AC-21A Switching resistive loads, including moderate overloads		le	A	75
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	А	63 ¹
AC-20A Connecting and disconnecting under no loads conditions		10		-
tated operating power				-
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	18,5 (58)
C-25A Switching of motor loads of other highly inductive loads 5 phase - 5 pole		400V	Kw (A)	30 (54)
		500V	KW (A)	22 (32)
		690V	KW (A)	
AC 334 Curitabing of motor loads or other bights industive loads 1 phase - 3 pole		110V		
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole			Kw (A)	5,5 (63)
		230V	Kw (A)	10 (32)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		230V	Kw (A)	15 (47)
C. 2 Covieral apparentations sufficience of matters during suppliers 1 phases - 2 and		400V	Kw (A)	22 (40)
		500V	Kw (A)	22 (32)
		690V	Kw (A)	-
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	4 (45)
		230V	Kw (A)	7,5 (40)
		400V	Kw (A)	-
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	5,5 (17)
		400V	Kw (A)	7,5 (14)
AC-15 Control of a.c electromagnetic loads		230V	A	-
		400V	A	-
Rated breaking capability in AC-23A (cos φ=0,45)		230V	A	464
		400V	A	432
Short circuit protection				
Rated short time withstand current		Icw	A	800
Rated short-circuit make capacity		Icm	A	2500
Rated conditional short-circuit current		-	kA	15
Nith fuses class gG		500V	A	63
Fechnical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		le	UL/CSA A	85/63
Short circuit rating @600Vac			Arms	-
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			A	-
Rated operating power				
phase - 2 pole		120V	Hp (A)	7,5 (80)/-
		240V	Hp (A)	10 (50)/-
phase - 3 pole		200V	Hp (A)	20 (62,1)/-
		240V	Hp (A)	20 (54)/-
		480V	Hp (A)	30 (40)/-
		600V	Hp (A)	40 (41)/50
Aechanical characteristics				
Vechanical life			Cycles x 10 ⁶	1
			Cycles/hr	120
Connection according to IEC 9471-1 and EN 50947-1				
Connecting capability	With flexible wires	Min-Max	mm²	6-16
		Min-Max	AWG	10-6
	With solid wires	Min-Max	mm²	10-25
Connection terminal screw dimensions			Туре	2xM5
icrew tightening torque			Nm	2,8
Protection degree IEC 529 EN 60529				2,0
Ferminals			IP	00
Ambient conditions				00
Derating ambient temperature			°C	-25 ÷ +55
			°C	-30 ÷ +70
torage ambient temprature				-20 7 7/0
itorage ambient temprature Withstand to constant humid according to IEC 60068				
torage ambient temprature Withstand to constant humid according to IEC 60068 Withstand to cyclic humid according to IEC 60068				2-78 2-30

Notes: ¹ = at 500V

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