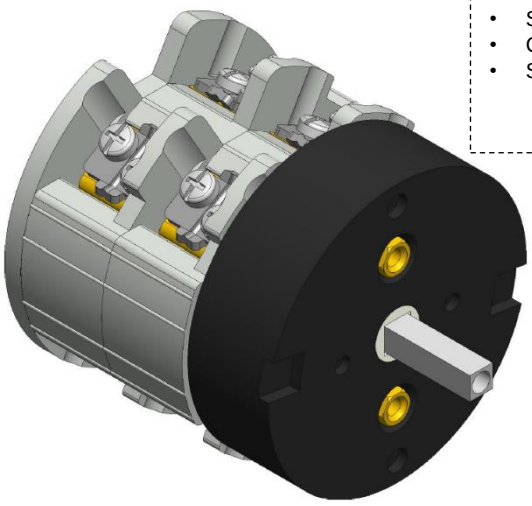
Bremas Ersce SpA
Via castellazzo 9 - 20040 Cambiago (MI)
Tel +39 02 95651611 Fax +39 02 95651639
www.bremas.eu info@bremas.it
ISO 9001 Certified Quality System

Cod. CA0630003PL3



(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

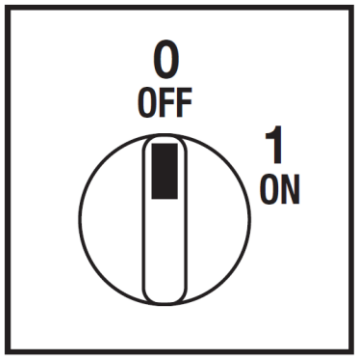
Technical characteristics: Body

- ON-OFF switch 3 pole
- IP00 Protection degree
- Rated operational current Ie: 75A (AC-21A)
- Rated thermal current Ith: 80A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 40mm 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 105x105mm and black knob
- Fixing with 2 screws at 40mm vertical
- IP 40 Protection degree

Positions



Electrical diagram

Electrical function

	0						CR CA CQ	60°
	1	X	X	X				
Contact		1 2		3 4		5 6	7 8	
Element		**1**				**2**		Angle

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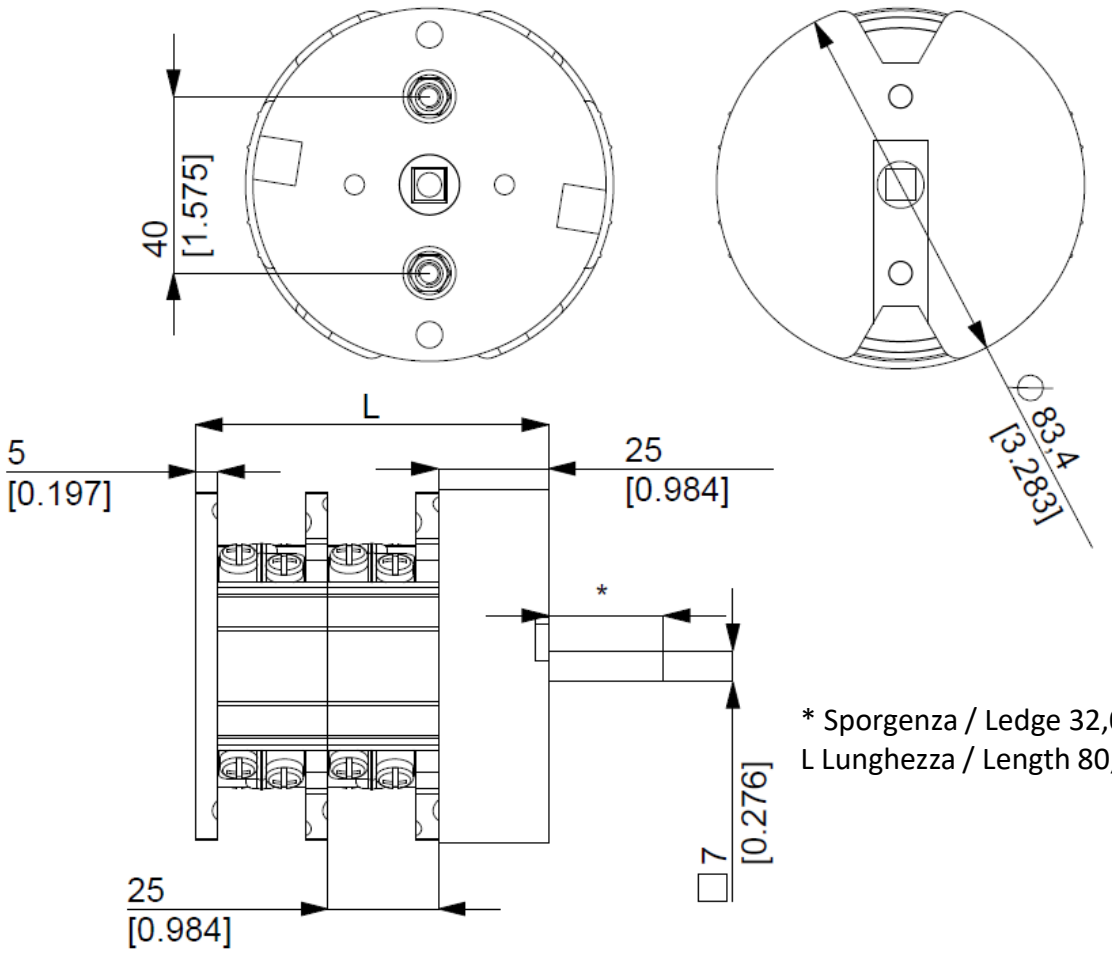
measures in mm (in)

Dimensions



* Sporgenza / Ledge 32,00mm
L Lunghezza / Length 80,00mm

Drilling templates

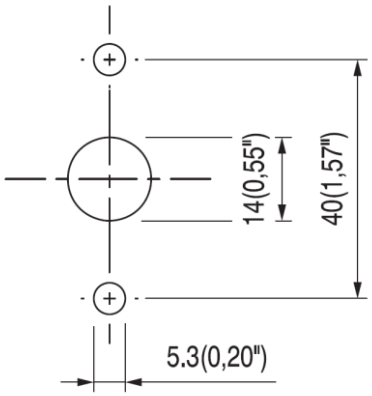
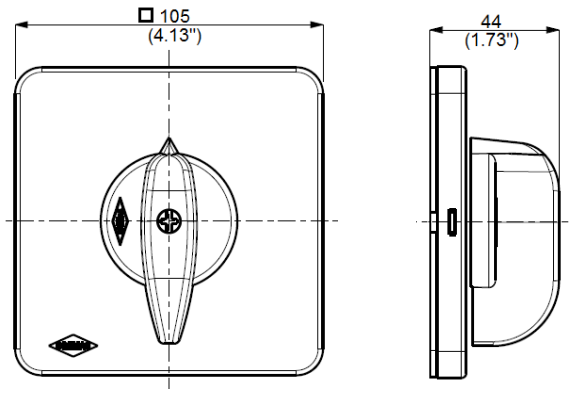


Plate & Knob



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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	A	80
Rated thermal current for enclosed switch		Ithe	A	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		Ie	A	75
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		Ie	A	63 [1]
AC-20A Connecting and disconnecting under no loads conditions				-
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		230V	Kw (A)	18,5 (58)
		400V	Kw (A)	30 (54)
		500V	Kw (A)	22 (32)
		690V	Kw (A)	-
AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole		110V	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)
		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
With fuses class gG		500V	A	63
Technical data UL/CSA				
Rated operating voltage		Ue	UL/CSA V	600/600
General use current		Ie	UL/CSA A	85/63
Short circuit rating @600Vac			Arms	-
Fuse size (Class RK5, 600Vac, 200kA A.I.C.)			A	-
Rated operating power				
1 phase - 2 pole		120V	Hp (A)	7,5 (80)/-
		240V	Hp (A)	10 (50)/-
3 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
Mechanical characteristics				
Mechanical 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	mm^2	6-16
		Min-Max	AWG	10-6
	With solid wires	Min-Max	mm^2	10-25
Connection terminal screw dimensions			Type	2xM5
Screw tightening torque			Nm	2,8
Protection degree IEC 529 EN 60529				
Terminals			IP	00
Ambient conditions				
Operating ambient temperature			°C	-25 ÷ +55
Storage ambient temprature			°C	-30 ÷ +70
Withstand to constant humid according to IEC 60068				2-78
Withstand to cyclic humid according to IEC 60068				2-30

Notes:
[1] = at 500V