

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product yee designation	Product designation			Rotary cam
Switching diagram   Switching diagram   Switching diagram   Switching diagram   Switching diagram   Switching diagram   Switch 2 poles	<u> </u>			
Switching diagram         switch 2 poles           N° of elements         1           Mounting form         4         4         1         4         1				
N° of elements   1   U47 - Snap on from mounting with black handle for shole diam.   22mm finxing   22mm fi	Switching diagram			
Mounting form   Mounting from with black handle for hole diam. 2 min hole diam. 3 min hole diam. 4 min hole diam. 4 min hole diam. 4 min hole diam. 4 min ho	N° of elements			
Rated insulation voltage Ui   IEC/EN				fron mounting with black handle for hole diam.
Rated impulse withstand voltage Ulimp				
Rated impulse withstand voltage Uimp	Rated insulation voltage Ui	IEC/EN	\ /	000
Rated impulse withstand voltage Uimp				
Conventional free air thermal current Ith	Rated impulse withstand voltage Llimp	ODOOA		
Rated operational voltage   V   480				
Rated operational voltage		IEC/EN	Α	20
Rated operational impulse voltage   kV 4		UL/CSA		20
Maximum fuse size for short-circuit protection In (gG)  10kA A 20 15kA A 16 25kA A 16 25kA A 16 25kA A 16  Rated short time current Icw  1s kA 250  Conductivity  0perational current Ie IEC/EN  AC1/AC21A  AC15  110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5  Rated operational power in AC  Three-phase AC-3  Rated operational power in AC  Three-phase AC-3  110V kW 5.5 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 3 380/440V kW 5.5 500/690V kW 3 380/440V kW 5.5 500/690V kW 7.5				
10kA			kV	4
Title   Titl	Maximum fuse size for short-circuit protection In (gG)			
Rated short time current Icw				
Rated short time current low				
Three-phase AC-3   Three-phase AC-3   Three-phase AC23A   Three-	Rated short time current low	ZUKA		10
Conductivity	Nated Short time current tow	1s	kA	250
AC1/AC21A	Conductivity			
AC15  AC15  110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5  Rated operational power in AC  Three-phase AC-3  220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 3 110V kW 0.8 220/230V kW 3 Three-phase AC23A  Three-phase AC23A  220/230V kW 5.5  Single-phase AC23A  110V kW 5.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5  Single-phase AC23A				
AC15    110V   A   10     220/230V   A   8     380/400V   A   6     660/690V   A   1.5     Rated operational power in AC     Three-phase AC-3     220/230V   kW   3     380/440V   kW   5.5     500/690V   kW   5.5     Single-phase AC-3     110V   kW   0.8     220/230V   kW   2.2     380/440V   kW   3     Three-phase AC23A     220/230V   kW   7.5     500/690V   kW   7.5     500/690V   kW   7.5     Single-phase AC23A     110V   kW   0.8     220/230V   kW   7.5     500/690V   kW   7.5     Single-phase AC23A     110V   kW   0.8     220/230V   kW   2.5     Single-phase AC23A     110V   kW   0.8     220/230V   kW   2.5	AC1/AC21A			
110V			Α	20
220/230V	AC15			
Single-phase AC23A   Single-				
Rated operational power in AC  Three-phase AC-3  220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 3  Three-phase AC23A  220/230V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 7.5 500/690V kW 7.5  Single-phase AC23A				
Rated operational power in AC Three-phase AC-3  220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A  110V kW 0.8 220/230V kW 7.5 500/690V kW 7.5  Single-phase AC23A				
Three-phase AC-3  220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 5 380/230V kW 5 380/230V kW 7.5	Rated operational power in AC	000/090 V		1.0
220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 2.5	·			
380/440V kW 5.5 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 5 500/690V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 0.8 220/230V kW 2.5		220/230V	kW	3
Single-phase AC-3  110V kW 0.8 220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 0.8		380/440V	kW	5.5
110V kW 0.8 220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 2.5		500/690V	kW	5.5
220/230V kW 2.2 380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 2.5	Single-phase AC-3			
380/440V kW 3  Three-phase AC23A  220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 2.5				
Three-phase AC23A  220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 2.5				
220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 2.5	Three phase AC22A	380/440V	KVV	3
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5	Tillee-pilase ACZSA	220/230\/	k\/\/	5
500/690V kW 7.5  Single-phase AC23A  110V kW 0.8 220/230V kW 2.5				
Single-phase AC23A  110V kW 0.8  220/230V kW 2.5				
110V kW 0.8 220/230V kW 2.5	Single-phase AC23A			
	<del>-</del>			
380/440V kW 3.7				
		380/440V	kW	3.7



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Rated operational cur	rent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	•	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
	,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	( , ,	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct	t-on-line control			
,	for three-phase motor			
	·	120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
	•	120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
•	Operating temperature			
	. •	min	°C	-25
		max	°C	+55
	Storage temperature			
	<u> </u>			



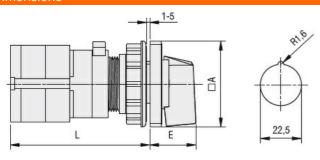
**ENERGY AND AUTOMATION** 

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min	°C	-40	
ma.	°C	. 70	

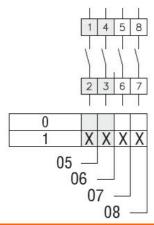
	max	0	170
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

### **Dimensions**



Carias	Dimensions		L			
Series	□A	Е	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

## Wiring diagrams



## Certifications and compliance

## Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

### Certificates

cCSAus

EAC

UL

#### ETIM classification

**ETIM 8.0** 

EC001105 - Offload switch