

## **7GN20107U47** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 1 POLE 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation				Rotary cam
Product type designation				switches 7GN20
General characteristics				7GN20
Switching diagram				107 - Multi-step
				0-1-2 1 pole
N° of elements				1
				U47 - Snap on fron mounting
Mounting form				with black handle
				for hole diam.
Contact characteristics				22mm finxing
Rated insulation voltage L	Ji			
g		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand			kV	6
Conventional free air them	mal current Ith			
		IEC/EN	A	20
Potod operational valtage	<u></u>	UL/CSA	A V	20 480
Rated operational voltage Rated operational impulse			kV	480
	ort-circuit protection In (gG)			
		10kA	А	20
		15kA	А	16
		25kA	А	16
Rated short time current I	CW			
		1s	kA	250
Conductivity Operational current le IEC				10/5 mA/V
•	C1/AC21A			
			А	20
Ā	C15			
		110V	А	10
		220/230V	А	8
		380/400V	A	6
Rated operational power		660/690V	A	1.5
• •	hree-phase AC-3			
		220/230V	kW	3
		380/440V	kW	5.5
_		500/690V	kW	5.5
S	ingle-phase AC-3			
		110V	kW	0.8
		220/230V 380/440V	kW kW	2.2 3
Ŧ	hree-phase AC23A	300/440 V	K V V	5
·	France	220/230V	kW	5
		380/440V	kW	7.5
_		500/690V	kW	7.5
S	ingle-phase AC23A			
		110V	kW	0.8
		220/230V 380/440V	kW kW	2.5 3.7
		380/440V	ΝVV	5.1

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



ENERGY AND AUTOMATION

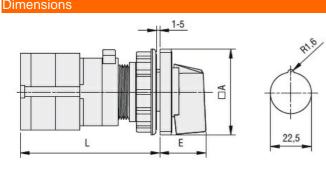
Rated operational curre	nt in DC			
	DC21A			
		48V	А	20
		60V	А	20
		110V	A	4
		220V	A	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	A	8 (4)
	DC13	220 V	7	0(4)
	DC13	<b>0</b> (1) (		
		24V	A	20
		48V	A	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	A	0.15
Power dissipation		VOFF	W	0.8
			vv	0.0
Mechanical features				1.40
Terminals screw				M3
Tightening torque for ter	rminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	5	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	And	12
	AVVG - 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
		IVIAX		
			A	5 V 11 IV
			cycles	5x10 <sup>e</sup>
UL technical data			cycles	3210
UL technical data	on-line control		cycles	5210
UL technical data			cycles	3410
UL technical data	on-line control for three-phase motor			
UL technical data		120V	HP	1.5
Mechanical life UL technical data Motor power for direct-c		120V 240V	HP HP	1.5 3
UL technical data		120V 240V 480V	HP HP HP	1.5 3 7.5
UL technical data Motor power for direct-c	for three-phase motor	120V 240V	HP HP	1.5 3
UL technical data Motor power for direct-c		120V 240V 480V 600V	HP HP HP HP	1.5 3 7.5 10
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V	HP HP HP	1.5 3 7.5
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V 600V	HP HP HP HP	1.5 3 7.5 10
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V 600V 120V	HP HP HP HP	1.5 3 7.5 10 0.75
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V 600V 120V	HP HP HP HP	1.5 3 7.5 10 0.75
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V 600V 120V	HP HP HP HP	1.5 3 7.5 10 0.75
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V 600V 120V 240V	HP HP HP HP HP	1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V 600V 120V	HP HP HP HP HP	1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct-c	for three-phase motor	120V 240V 480V 600V 120V 240V	HP HP HP HP HP	1.5 3 7.5 10 0.75 2



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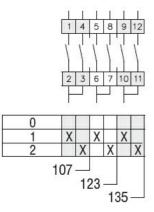
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	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensione				



Series	Dimensions		L			
	□A	E	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 classificatio	n	
ETIM 8.0		EC001029 - Selector switch, complete