## 7GN20135U47



ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 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				
Switching diagram				135 - Multi-step 0-1-2 3 poles
N° of elements				3
				U47 - Snap on
Mounting form				fron mounting with black handle
Mounting form				for hole diam.
				22mm finxing
Contact characteristics				
Rated insulation voltage U	i			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand v Conventional free air therm			kV	6
Conventional free air therm	hai current ith	IEC/EN	^	20
		UL/CSA	A A	20 20
Rated operational voltage		ULCSA		480
Rated operational impulse	voltage		kV	4
· · · · · ·	prt-circuit protection In (gG)			<u> </u>
		10kA	А	20
		15kA	А	16
		25kA	Α	16
Rated short time current lo	W			
		1s	kA	250
Conductivity	/m.)			10/5 mA/V
Operational current le IEC				
A	C1/AC21A		А	20
Δ	C15			20
	515	110V	А	10
		220/230V	A	8
		380/400V	А	6
		660/690V	А	1.5
Rated operational power in				
Tł	nree-phase AC-3			
		220/230V	kW	3
		380/440V	kW	5.5
<u></u>	ngle-phase AC-3	500/690V	kW	5.5
3	ngie-phase AC-3	110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
Tr	nree-phase AC23A			
		220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
Si	ngle-phase AC23A			
		110V	kW	0.8
		220/230V	kW kW	2.5
		380/440V	kW	3.7

7GN20135U47

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



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7GN20135U47

Rated operational curre				
	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	A	0.6
		440V	A	0.25
		440 V	~	0.23
	DC23A (poles in series)	0.01/	٨	00 (4)
		24V	A	20 (1)
		48V	А	20 (2)
		60V	A	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.4
Dewer dissinction		440 V		
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	C C	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			. –
		min	AWG	20
		Max	AWG	14
	Opendustan sing (IEO) Elevitela patela	IVIAA	ANG	14
	Conductor size (IEC) - Flexible cable		2	0 F
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10⁰
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		240V 480V	HP	3 7.5
	Construction of the second second	600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
-	Operating temperature			
		min	°C	-25
		max	°Č	+55
		тал	5	

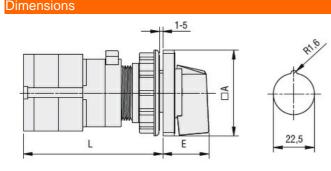
Storage temperature

## 7GN20135U47



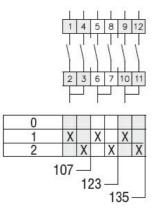
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	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00



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 classification		
ETIM 8.0		EC001029 - Selector switch, complete

7GN20135U47