



ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 2 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			701120
Switching diagram			87 - Multi-step 1- 2-3-4 2 poles
N° of elements			4
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	02/00/1	kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	20
	UL/CSA	Α	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4		
	10kA	A	20
	15kA 25kA	A A	16 16
Rated short time current lcw	ZJKA		
rated short time current lew	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15	440)/	•	4.0
	110V	A	10
	220/230V 380/400V	A A	8 6
	660/690V	A	1.5
Rated operational power in AC	00070001		
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3	44017	1.3.87	0.0
	110V 220/230V	kW kW	0.8 2.2
	380/440V	kW	3
Three-phase AC23A	300/440 V	17.4.4	
	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	3.7





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Rated operational cu	rrent 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	A	0.4
		440V	A	0.15
Power dissipation		7701	W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
Tightening torque for	terminals may		Nm	0.5
Conductor size	terrilliais max		INIII	0.5
Conductor Size	AMC Digid apple			
	AWG - Rigid cable		A1A/C	20
		min	AWG	20
	AMO Ele Tile celle	Max	AWG	12
	AWG - Flexible cable		414/0	0.0
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable		2	
		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 ⁶
UL technical data				
Motor power for direct				
	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			
	1 0 1 >	min	°C	-25
		max	°C	+55
	Storage temperature	iiid.		
	Storago tomporataro			





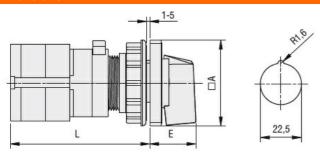
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min	°C	-40
max	°C	+70

7GN2087U47

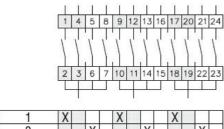
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	Dimer	L					
	□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



1	X			0	X				X		A 50	
2			Χ				Χ				Χ	
3				X				X			3 - 3	X
4		Χ				Χ				χ		
8387												
									(94		

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

Certificates

cCSAus

UL60947-4-1

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete