



7GN20109U47

ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation				Rotary cam switches
Product type designation				7GN20
Switching diagram				109 - Multi-step 0-1-2-3-4 1 pole
N° of elements				2
Mounting form				U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics				
Rated insulation voltag	e Ui	IEC/EN	\/	600
		UL/CSA	V V	690 600
Rated impulse withstar	nd voltage Uimp	OLIOOA	kV	6
Conventional free air th				
		IEC/EN	Α	20
		UL/CSA	Α	20
Rated operational volta	age		V	480
Rated operational impulse voltage  Maximum fuse size for short-circuit protection In (gG)			kV	4
Maximum fuse size for	short-circuit protection In (gG)		_	
		10kA	A	20
		15kA	A	16
Rated short time curre	nt low	25kA	Α	16
Nated Short time curre	THE IGW	1s	Α	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
•	AC1/AC21A			
			Α	20
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	A	6
Datad aparational now	var in AC	660/690V	Α	1.5
Rated operational pow	Three-phase AC-3			
	Tillee-pilase AO-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	000/000	1387	F
		220/230V	kW	5
		380/440V 500/690V	kW kW	7.5 7.5
	Single-phase AC23A	300/030 V	IX V V	1.0
	5gio pridoo /1020/1	110V	kW	0.8
		220/230V	kW	2.5





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		380/440V	kW	3.7
Rated operational cu				
	DC21A	401/	Δ.	00
		48V	A	20
		60V 110V	A A	20 4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V		0.23
	DOZOA (poles in series)	24V	Α	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13	220 V		0 (4)
	2010	24V	Α	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		TTO V	W	0.8
Mechanical features			**	0.0
Terminals screw				M3
Fightening torque for	terminals may		Nm	0.5
Conductor size	terminals max		1 4111	0.0
3011440101 3120	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAA	700	12
	AVVG - Flexible Cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAA	700	17
	Conductor size (ILC) - I lexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAA	1111111	2.0
	Conductor Size (ILO) - Rigid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		iviax	cycles	5x10 <sup>6</sup>
JL technical data			Cycles	UA 10
Motor power for direct	rt-on-line control			
violoi powei ioi uilet				
	for three-phase motor	120V	HP	1.5
				3
		7 101 /	ЦΠ	
		240V	HP up	
		480V	HP	7.5
	for single phase mater			
	for single-phase motor	480V 600V	HP HP	7.5 10
	for single-phase motor	480V 600V 120V	HP HP	7.5 10 0.75
	for single-phase motor	480V 600V	HP HP	7.5 10
	for single-phase motor	480V 600V 120V	HP HP	7.5 10 0.75
Ambient conditions Femperature		480V 600V 120V	HP HP	7.5 10 0.75
	for single-phase motor  Operating temperature	480V 600V 120V 240V	HP HP HP HP	7.5 10 0.75 2
		480V 600V 120V	HP HP	7.5 10 0.75

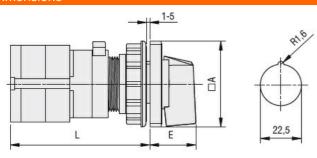




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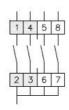
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	

#### Dimensions



Carles	Dimer	nsions			L		
	Series	□A	Е	1	2	3	8
10	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



0					
1	X				
2			Χ		
3		X			
4				χ	
	109 -				

# 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** 

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EC001029 -Selector switch, complete