



ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4-5, 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
General characteristics Switching diagram			110 - Multi-step 0-1-2-3-4-5 1 pole
N° of elements			3
14 Of Clements			U47 - Snap on
Mounting form			fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
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)		_	
	10kA	A	20
	15kA 25kA	A A	16 16
Rated short time current Icw	ZUKA		10
rated short time current lew	1s	kA	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
Rated operational power in AC	660/690V	Α	1.5
Three-phase AC-3			
Tillee-pliase AO-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	000/0001	1387	F
	220/230V	kW	5
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC23A	300/0907	r. v v	1.0
Omigio phaso AOZOA	110V	kW	0.8
	220/230V	kW	2.5





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		380/440V	kW	3.7
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)		_	(1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	B040	220V	A	8 (4)
	DC13	241/	۸	20
		24V 48V	A	20
		48 V 60 V	A	16
			A	12
		110V	A	1
		220V	A	0.4
Dower dissination		440V	A W	0.15
Power dissipation Mechanical features			VV	0.8
Terminals screw				M3
Tightening torque for to	orminals may		Nm	0.5
Conductor size	enninais max		INIII	0.5
Conductor Size	AWG - Rigid cable			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	7,,,,	12
	AVVO T TEXABLE CABLE	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIOX	71110	
	Conductor Cizo (120) Trovibre cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	T.I.O.K		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data			- ,	
Motor power for direct-	-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			
	for single-phase motor	120V	HP	0.75
	for single-phase motor	120V 240V	HP HP	0.75 2
Ambient conditions	for single-phase motor			
Ambient conditions Temperature	for single-phase motor			
	for single-phase motor Operating temperature			
		240V	HP	2



-40 +70

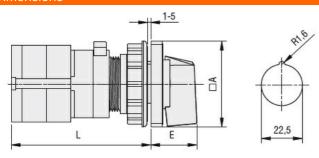


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Storage temperature		
	min	°C
	max	°C

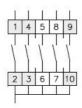
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Carias	Dimer	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



0					
1	X			0.0	
2			Χ		
3		1: 0			X
4		X			
5				Χ	
			110)	

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

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