

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 20A, **electric** FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT

ENERGY AND AUTOMATION

7GN2056U47

PLATE 48X48MM

Product designation			Rotary cam switches 7GN20
Product type designation General characteristics			7 GIN20
Switching diagram			56 - Changeover switch without 0 3 poles
N° of elements			3
Mounting form			U47 - Snap on 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		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	20 20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG) Rated short time current Icw	10kA 15kA 25kA	A A A	20 16 16
Rated Short time current icw	1s	kA	250
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	20
AC15			
	110V 220/230V 380/400V	A A A	10 8 6
	660/690V	Α	1.5
Rated operational power in AC Three-phase AC-3	220/230V	kW	3
	380/440V	kW	5.5
0: 1 1 10 0	500/690V	kW	5.5
Single-phase AC-3	110\/	LAAA	0.0
	110V 220/230V	kW kW	0.8 2.2
	380/440V	kW	3
Three-phase AC23A	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



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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		14111	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 ⁶
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





ENERGY AND AUTOMATION

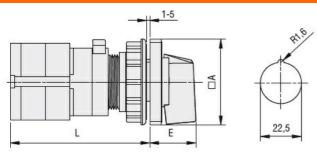
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Storage	temperature
Sidiage	temperature

min	$^{\circ}\mathrm{C}$	-40		
max	°C	+70		

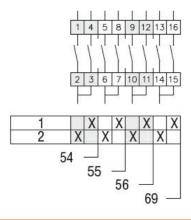
	 -	· · · •
Resistance & Protection		
Frontal IP degree		IP40
Terminals IP degree		IP00

Dimensions



Carias	Dimensions		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



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