

ENERGY AND AUTOMATION

7GN2055U47 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 20A, electric 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			55 - Changeover
Switching diagram			switch without 0 2
			poles
N° of elements			2
			U47 - Snap on
Mounting form			fron mounting
Mounting form			with black handle for hole diam.
			22mm finxing
Contact characteristics			g
Rated insulation voltage Ui			
-	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	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	A	16
Rated short time current Icw	25kA	A	16
Rated short time current icw	1s	kA	250
Conductivity	13	N/1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			•
	220/230V	kW	3
	380/440V	kW	5.5
Single-phase AC-3	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	000/1104		-
	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
Single-phase AC23A	110V 220/230V	kW kW	0.8 2.5

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		380/440V	kW	3.7
Rated operational cur				
	DC21A	48V	А	20
		48 V 60 V	A	20
		110V	A	4
		220V	A	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	А	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
<b>-</b>		440V	A	0.15
Power dissipation Mechanical features			W	0.8
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		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 <sup>e</sup>
UL technical data				
Motor power for direc				
	for three-phase motor	1001		4 5
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
	for single phase motor	600V	HP	10
	for single-phase motor	4001/	υп	0.75
		120V	HP up	0.75
Ambient conditions		240V	HP	2
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature		°C	25
		min	۰ د	-25

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°C

max

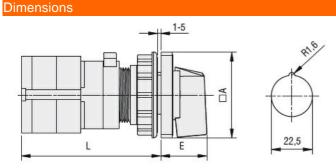
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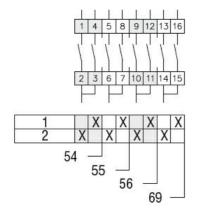
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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00



Cariaa	Dimensions		L			
Series	□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		
		EC001029 -
ETIM 8.0		Selector switch,

complete

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