

ENERGY AND AUTOMATION

7GN1255U47 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 16A, electric FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN12
Switching diagram			55 - Changeover switch without 0 2 poles
N° of elements			2
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
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	16 15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	16 10 10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		А	16
AC15			
	110V 220/230V 380/400V 660/690V	A A A	10 8 4 1.5
Rated operational power in AC	000/090 0		1.5
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	2.5 4 5.5
Single-phase AC-3			
	110V 220/230V	kW kW	0.8 1.5
Three-phase AC23A	380/440V	kW	2.2
Three phase A023A	220/230V 380/440V 500/690V	kW kW kW	3 5.5 7.5
Single-phase AC23A			
	110V 220/230V	kW kW	0.8 1.7

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380/440V

kW

3

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		300/440 V		5
Rated operational cur	rrent in DC			
	DC21A			
	DCZTA	1011		10
		48V	А	12
		60V	А	12
		110V	А	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	А	10 (2)
		60V	A	
				10 (3)
		110V	А	5 (3)
		220V	A	5 (4)
	DC13			
		24V	А	12
		48V	A	10
		60V	A	8
		110V	А	1
		220V	А	0.4
		440V	A	0.15
Power dissinction		101		0.8
Power dissipation			VV	0.8
Mechanical features				
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) Disid coble	IVICA		2.0
	Conductor size (IEC) - Rigid cable		-	o -
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
UL technical data			0,000	
	t en line control			
Motor power for direc				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	50
		600V	HP	40
	for single-phase motor			
		120V	HP	0.5
		240V	HP	
		24UV	П٢	1
Ambient conditions				
Temperature				
	Operating temperature			
			0.	0-

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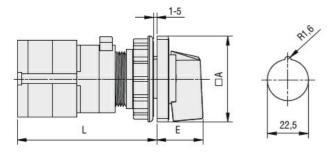


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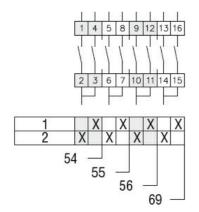
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions



Series	Dimensions		L			
	□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		
	EAC	
	UL	
ETIM classification		
		EC001029 -
ETIM 8.0		Selector switch, complete

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