

ENERGY AND AUTOMATION

7GN1255U12 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 16A, electric FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Droduct designation				<sup>.</sup> Rotary cam
Product designation				switches
Product type designat				7GN12
General characteristic	S			55 Changeover
Switching diagram				55 - Changeover switch without 0 2 poles
N° of elements				2
Mounting form				U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristics				
Rated insulation voltag		IEC/EN UL/CSA	V V	690 600
Rated impulse withsta			kV	6
Conventional free air th	nermai current itn	IEC/EN UL/CSA	A A	16 15
Rated operational volt	age		V	480
Rated operational imp	ulse voltage		kV	4
Maximum fuse size for	r short-circuit protection In (gG)			
		10kA	А	16
		15kA	A	10
		25kA	A	10
Rated short time curre	nt Icw	1s	А	200
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A			
			Α	16
	AC15	110\/	^	10
		110V 220/230V	A A	10 8
		380/400V	A	4
		660/690V	A	1.5
Rated operational pow	ver in AC			
	Three-phase AC-3			
		220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3			
		110V	kW	0.8
		220/230V	kW kW	1.5
	Three-phase AC23A	380/440V	r V V	2.2
	The phase Adzon	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		4401/	1 1 4 /	<u> </u>

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110V

kW

0.8



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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur	rent in DC	000/1101		•
Naleu operational cui				
	DC21A	401/		4.0
		48V	A	12
		60V	А	12
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	A	
				10 (2)
		60V	А	10 (3)
		110V	А	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	А	12
		48V	A	10
		40V 60V	A	8
		110V	A	1
		220V	А	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				0.0
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	Max	/	
	Conductor Size (IEC) - Flexible cable			0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data			0,000	
Motor power for direct	t-on-line control			
	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	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25

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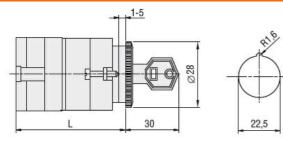


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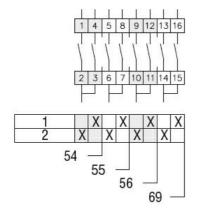
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

Dimensions



Carias	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

## 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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