

7GN1256U12 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 16A, electric FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM

ENERGY AND AUTOMATION

FIXING

Product designation				Rotary cam switches
Product type designat				7GN125
General characteristic Switching diagram	S			56 - Changeover switch without 0 3 poles
N° of elements				3
Mounting form	2			U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Rated insulation voltage				
		IEC/EN UL/CSA	V V	690 600
Rated impulse withsta			kV	6
Conventional free air t	nermai current itn	IEC/EN UL/CSA	A A	125 130
Rated operational volt			V	690
Rated operational imp	•		kV	6
Maximum fuse size fo	r short-circuit protection In (gG)			
		10kA	Α	125
		15kA	A	100
		25kA	A	100
		50kA	A	100
Dete bebeet the end		63kA	A	100
Rated short time curre	enticw	1s	kA	2100
Conductivity				10/5 mA/V
Operational current le	AC1/AC21A		_	
	4045		A	125
	AC15	110V	٨	40
		220/230V	A A	40 28
		380/400V	A	15
		660/690V	A	5
Rated operational pow	ver in AC	000,000 (7	0
· · · · · · · · · · · · · · · · · · ·	Three-phase AC-3			
	•	220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
	Three-phase AC23A			
		220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37

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	Single-phase AC23A			<u> </u>
	Single phase A025A	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curr				
	DC21A			
		48V	А	125
		60V	Α	80
		110V	А	10
		220V	А	1.2
	DC23A (poles in series)			
		24V	А	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V	A	50 (3)
		220V	A	20 (4)
	DC13			
		24V	Α	125
		48V	А	100
		60V	A	50
		110V	A	4
Dowor disainstiss		1100	 W	
Power dissipation			VV	6.3
Mechanical features				MOVE
Terminals screw				M2X5
Tightening torque for t	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	50
Mechanical life			cycles	1X10 ⁶
UL technical data			0,000	
Motor power for direct	t-on-line control			
	for three-phase motor	4001/		4 5
		120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor			
	<u> </u>	120V	HP	5
		240V	HP	15
Ambient conditions				
Temperature				
iomporaturo	Operating temperature			
	Operating temperature		° ^	25
		min	°C °°	-25
		max	°C	+55

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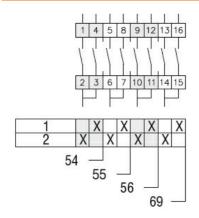
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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

1-5 Ø28 30 22,5

Series	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	
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	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		
ETIM 8.0		EC001029 - Selector switch, complete

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