

7GN1251U12 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Droduct docignotion				[。] Rotary cam
Product designation				switches
Product type designati				7GN12
General characteristics				51 - Changeover
Switching diagram				switch 1 pole
N° of elements				1
				U12 - Front
				mounting without
Mounting form				front plate with key operation for
				hole diam. 22mm
				fixing
Contact characteristics	3			
Rated insulation voltag	e Ui			
		IEC/EN	V	690
D		UL/CSA	<u>V</u>	600
Rated impulse withstar			kV	6
Conventional free air th	nermal current ith	IEC/EN	٨	10
		UL/CSA	A A	16 15
Rated operational volta	200	01/03A	X	480
Rated operational imp	-		kV	4
	short-circuit protection In (gG)			<u>.</u>
	····· (3-)	10kA	А	16
		15kA	А	10
		25kA	А	10
Rated short time curre	nt Icw			
		1s	A	200
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A		٨	10
	AC15		A	16
	A013	110V	А	10
		220/230V	A	8
		380/400V	A	4
		660/690V	А	1.5
Rated operational pow	er in AC			
	Three-phase AC-3			
		220/230V	kW	2.5
		380/440V	kW	4
	Single phase AC 2	500/690V	kW	5.5
	Single-phase AC-3	110V	kW	0.8
		220/230V	kW	1.5
		380/440V	kW	2.2
	Three-phase AC23A			
		220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8



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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational curr				
	DC21A			
		48V	Α	12
		60V	А	12
		110V	А	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features			vv	0.0
Terminals screw				M3
Tightening torque for t	corminale may		Nm	0.5
Conductor size			INITI	0.5
Conductor size	ANNO Divid apple			
	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	3x10 ⁶
UL technical data			-	
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	0001		
		120V	HP	0.5
		240V	HP	1
Ambient conditions		240 V		ı
Ambient conditions				
Temperature				
	Operating temperature		^ ~	<u>-</u>
		min	°C	-25

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

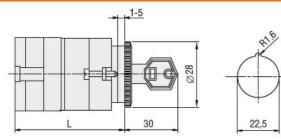


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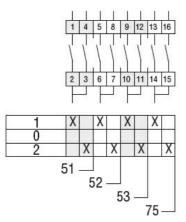
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimonsions				

Dimensions



Carries	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		
ETIM 8.0		EC001029 - Selector switch, complete

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