

7GN1294U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 3 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation	switches 7GN12		
General characteristics			1 OINIE
Switching diagram			94 - Multi-step 1- 2-3-4 3 poles
N° of elements			6
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current lth		_	
	IEC/EN	A	16
Deted appretional voltage	UL/CSA	A V	15 480
Rated operational voltage Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit pro	tection In (aG)	κv	4
maximum ruse size for short-circuit pro	10kA	А	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	16
AC15		_	
	110V	A	10
	220/230V	A	8
	380/400V 660/690V	A A	4 1.5
Rated operational power in AC	000/0301	~	1.5
Three-phase A	-C-3		
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase A	AC-3		
	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase A			
	220/230V	kW	3
	380/440V	kW	5.5
Olasla shees /	500/690V	kW	7.5
Single-phase A	AC23A 110V	kW	0.8
Rated operational current in DC	220/230V 380/440V	kW kW	1.7 3

Rated operational current in DC

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ova electric ENERGY AND AUTOMATION

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	DC21A				
		48V	Α	12	
		60V	А	12	
		110V	A	4	
		220V	А	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	A	5 (4)	
	DC13	0.417	•	40	
		24V	A	12	
		48V	A	10	
		60V	A	8	
		110V	A	1	
		220V	A	0.4	
Den en l'action d'act		440V	<u>A</u>	0.15	
Power dissipation			W	0.8	
Mechanical features Terminals screw				M3	
Tightening torque for te	arminale may		Nm	0.5	
Conductor size			INITI	0.5	
Conductor size	AWC Bigid apple				
	AWG - Rigid cable	min	AWG	20	
		Max	AWG	20 12	
	AWG - Flexible cable	IVIAX	ANG	12	
	AWG - LIEXIDIE Cable	min	AWG	20	
		Max	AWG	14	
	Conductor size (IEC) - Flexible cable	IVIAA	700	14	
		min	mm²	0.5	
		Max	mm²	0.5 2.5	
	Conductor size (IEC) - Rigid cable	WidA		2.0	
		min	mm²	0.5	
		Max	mm²	2.5	
Mechanical life		Max	cycles	3x10 ⁶	
UL technical data			eyelee	exte	
Motor power for direct-	-on-line control				
	for three-phase motor				
		120V	HP	1.5	
		240V	HP	3	
	for single-phase motor				
		120V	HP	0.5	
		240V	HP	1	
Ambient conditions					
Temperature					
-	Operating temperature				
		min	°C	-25	
		max	°C	+55	
	Storage temperature				
		min	°C	-40	
		max	°C	+70	
Resistance & Protectic	ac				

Resistance & Protection

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 7GN1294U



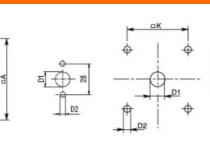
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Frontal IP degree

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Terminals IP degree Dimensions

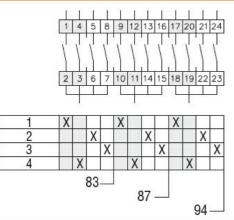


Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version). IP40

IP00

Series	Dimensions						L Number of elements														
Series	ΠA	С	ØD	ØD1	ØD2	Е	ØG	□K	ΠN	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



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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 classificatio	n	
ETIM 8.0		EC001029 - Selector switch, complete