

## **7GN12583U** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 1 POLE 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

Product designation Product type designation General characteristics Switching diagram N° of elements Mounting form Contact characteristics Rated insulation voltage Ui			switches 7GN125 83 - Multi-step 1- 2-3-4 1 pole 2
General characteristics         Switching diagram         N° of elements         Mounting form         Contact characteristics			83 - Multi-step 1- 2-3-4 1 pole
Switching diagram N° of elements Mounting form Contact characteristics			2-3-4 1 pole
Mounting form Contact characteristics			•
Contact characteristics			-
Contact characteristics			U - Front
			mounting with black handle
			DIACK NANUle
C C C C C C C C C C C C C C C C C C C			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	125
	UL/CSA	Α	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	125
	15kA	А	100
	25kA	А	100
	50kA	А	100
	63kA	A	100
Rated short time current Icw			
	1s	kA	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			105
1015		A	125
AC15	4401/	٨	40
	110V 220/230V	A	40
	220/230V 380/400V	A A	28 15
	660/690V	A	5
Rated operational power in AC	000/0901	~	5
Three-phase AC-3			
miee-phase A0-5	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Single-phase AC-3	000,0001		
	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
Single-phase AC23A			
	110V	kW	5
	220/230V	kW	11

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ENERGY AND AUTOMATION

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		380/440V	kW	15
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	125
		60V	Α	80
		110V	Α	10
		220V	А	1.2
	DC23A (poles in series)			
		24V	А	125 (1)
		48V	А	125 (2)
		60V	А	125 (3)
		110V	А	50 (3)
		220V	А	20 (4)
	DC13			
		24V	А	125
		48V	А	100
		60V	А	50
		110V	А	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for	terminals max		Nm	2
Conductor size				<u> </u>
	AWG - Rigid cable			
	AWG - Nigid Cable	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	IVIAA	ANG	1/0
	AWG - Flexible cable	min	AWG	14
			AWG	1/0
	Conductor size (IEC) - Flexible cable	Max	AWG	1/0
		min	ma ma 2	0 F
		min	mm²	2.5
	Orgeheiten eine (IEO) Digid och le	Max	mm²	50
	Conductor size (IEC) - Rigid cable		2	o -
		min	mm²	2.5
		Max	mm²	50
Mechanical life			cycles	1X10 <sup>6</sup>
UL technical data				
Motor power for direc				
	for three-phase motor			
		120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor			
		120V	HP	5
		240V	HP	15
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

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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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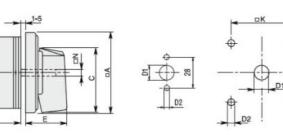
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Resistance & Protection

Frontal IP degree

Terminals IP degree

Dimensions



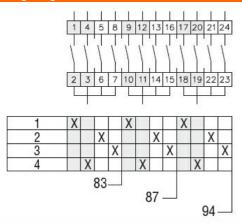
Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

IP40

IP00

Series	Dimensions									L Number of elements											
Series	□A	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



## Certifications and compliance

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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