

## **7GN63124U** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 2 POLES 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation Product type designation	Rotary cam
	switches
	7GN63
General characteristics	
Switching diagram	124 - Multi-step 0-1-2-3 2 poles
N° of elements	3
	U - Front
Mounting form	mounting with black handle
Contact characteristics	black Handle
Rated insulation voltage Ui	
IEC/EN V	690
UL/CSA V	600
Rated impulse withstand voltage Uimp kV	6
Conventional free air thermal current Ith	
IEC/EN A	63
UL/CSA A	60
Rated operational voltage V	480
Rated operational impulse voltage kV	4
Maximum fuse size for short-circuit protection In (gG)	
10kA A	63
15kA A	63
25kA A	63
50kA A	63
63kA A	63
Rated short time current Icw	1000
1s kA	1600
	10/5 mA/V
Operational current le IEC/EN AC1/AC21A	
ACT/ACZTA	63
AC15	03
110V A	32
220/230V A	25
380/400V A	15
660/690V A	4
Rated operational power in AC	
Three-phase AC-3	
······································	11
220/230V kW	
	18.5
220/230V kW	18.5 18.5
220/230V kW 380/440V kW	
220/230V kW 380/440V kW 500/690V kW	
220/230V kW 380/440V kW 500/690V kW Single-phase AC-3 110V kW 220/230V kW	18.5 3.7 6.5
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220/230V kW 380/440V kW 500/690V kW Single-phase AC-3 110V kW 220/230V kW 380/440V kW Three-phase AC23A	18.5 3.7 6.5 11.5
220/230V kW 380/440V kW 500/690V kW Single-phase AC-3 110V kW 220/230V kW 380/440V kW Three-phase AC23A 220/230V kW	18.5 3.7 6.5 11.5 12.5
220/230V kW 380/440V kW 500/690V kW Single-phase AC-3 110V kW 220/230V kW 380/440V kW Three-phase AC23A 220/230V kW 380/440V kW	18.5 3.7 6.5 11.5 12.5 30
220/230V kW 380/440V kW 500/690V kW Single-phase AC-3 110V kW 220/230V kW 380/440V kW Three-phase AC23A 220/230V kW 380/440V kW 500/690V kW	18.5 3.7 6.5 11.5 12.5
220/230V kW 380/440V kW 500/690V kW Single-phase AC-3 110V kW 220/230V kW 380/440V kW Three-phase AC23A 220/230V kW 380/440V kW 500/690V kW	18.5         3.7         6.5         11.5         12.5         30         30
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ENERGY AND AUTOMATION

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		380/440V	kW	12.5
Rated operational cu	rrent in DC			
	DC21A			
		48V	Α	63
		60V	A	50
		110V	Α	8
		220V	A	1
	DC23A (poles in series)	<b>•</b> 414		
		24V	A	50 (1)
		48V	A	50 (2)
		60V	A	50 (3) 25 (2)
		110V 220V	A	25 (3)
	D012	2200	A	15 (4)
	DC13	24V	۸	60
		24 v 48 V	A A	63 40
		48V 60V	A	28
		110V	A	3.3
Power dissipation		1100	 	3.4
Mechanical features			vv	J.T
Terminals screw				M5
Tightening torque for	terminals max		Nm	2
Conductor size				L
	AWG - Rigid cable			
	Arre Algia cable	min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			<u> </u>
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	16
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct	ct-on-line control			
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			_
		120V	HP	3
Amplication		240V	HP	10
Ambient conditions				
Temperature				
	Operating temperature	•	•	05
		min	°C °C	-25
		max	°C	+55
	Storage temperature		°C	40
		min	°C °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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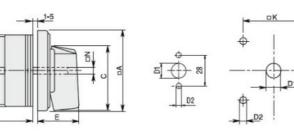
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# Resistance & Protection

Frontal IP degree

## Terminals IP degree

Dimensions



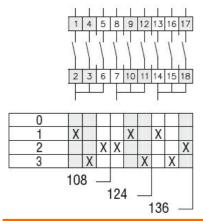
Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

IP40

IP00

Series Dimensions						L Number of elements															
Series	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



#### 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 classification		
		EC001029 -
ETIM 8.0		Selector switch, complete

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