

## **7GN1268U** ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH FOR PHASE-NEUTRAL VOLTAGES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
-			switches
Product type designation			7GN12
General characteristics			68 - Voltmeter
Switching diagram			switch for phase-
			neutral voltages
N° of elements			2
			U - Front
Mounting form			mounting with black handle
Contact characteristics			DIACK Handle
Rated insulation voltage Ui			
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	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	16
	15kA 25kA	A A	10 10
Rated short time current Icw	20KA	A	10
	1s	А	200
Conductivity	13	А	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	000/0001		0 F
	220/230V	kW	2.5
	380/440V 500/690V	kW kW	4 5.5
Single-phase AC-3	300/030V	r v v	0.0
Oligio pliase A0-0	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A			

Three-phase AC23A

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		220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A	000/0001		1.0
	Single phase A025A	110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Deted operational our	reat in DC	300/440 V	KVV	3
Rated operational curr				
	DC21A	48V	۸	10
			A	12
		60V	A	12
		110V	A	4
		220V	А	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	А	10 (2)
		60V	А	10 (3)
		110V	А	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V		0.4
Dower dissinction		440 V	A	
Power dissipation Mechanical features			W	0.8
				MO
Terminals screw			Nime	M3
Tightening torque for t	terminais max		Nm	0.5
Conductor size				
	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 <sup>6</sup>
UL technical data			0,000	
Motor power for direct	t-on-line control			
	for three-phase motor	4001/		1 5
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
Ambient conditions		240V	HP	1

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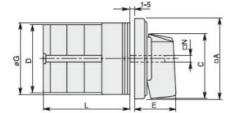
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

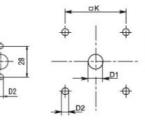


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#### Temperature

Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				

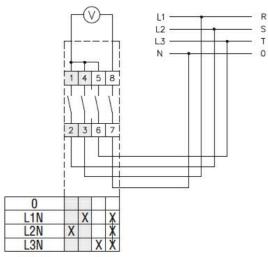




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series				Dir	nensio	ons				L Number of elements											
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	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	

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ENERGY AND AUTOMATION

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification	n	
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete