

# **7GN2067O** ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH FOR PHASE-PHASE VOLTAGES 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

			Rotary cam
Product designation			switches
Product type designation			7GN20
General characteristics			
Switching diagram			67 - Voltmeter switch for phase- phase voltages
N° of elements			2
Mounting form			O - Rear mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Deted impulse withstand valtage Llimp	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		ĸv	6
	IEC/EN	А	20
	UL/CSA	A	20
Rated operational voltage	02,00,1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	20
	15kA	А	16
	25kA	Α	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	20
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	6
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V		2
	380/440V	kW kW	3 5.5
	500/690V	kW	5.5
Single-phase AC-3	000,000 1		0.0
	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A	44014	1.1.1.1	0.0
	110V 220/230V	kW kW	0.8 2.5
	380/440V	kW	3.7
Rated operational current in DC	000/7701		

# Rated operational current in DC

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electric ENERGY AND AUTOMATION

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	D0014			
	DC21A		_	
		48V	А	20
		60V	А	20
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			0.20
	DOZOA (poleo ili oeneo)	24V	۸	20 (1)
			A	
		48V	A	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	A	16
		40V 60V	A	12
		110V	A	1
		220V	A	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for t	orminals max		Nm	0.5
			INITI	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) Elevible coble	IVICA	700	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	5x10 <sup>6</sup>
UL technical data			Cycles	5710
Motor power for direct				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
	ior single-phase motor	4001/	ЦР	0.75
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
		IIIdX	U	700
	Storage temperature			10
		min	°C	-40

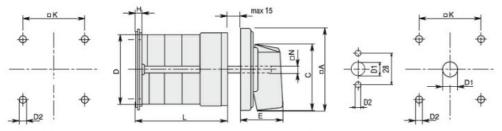
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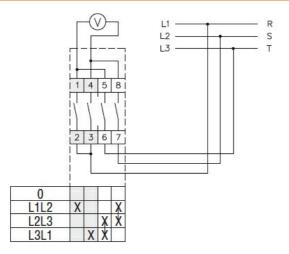
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Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	Е	Н	۵K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

### Wiring diagrams



#### Certifications and compliance

Compliance	
	CSA C22.
	IEC/EN/R

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	



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ETIM 8.0

EC001029 -Selector switch, complete