

**7GN2067O48** ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH FOR PHASE-PHASE VOLTAGES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Droduct designation			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			O48 - Modular service cover for 35mm din rail mounting with black handle
Rated insulation voltage Ui			
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	20 20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 16 16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		А	20
AC15		7	20
	110V 220/230V 380/400V 660/690V	A A A A	10 8 6 1.5
Rated operational power in AC	000/0901	~	1.5
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	3 5.5 5.5
Single-phase AC-3	000,0001		0.0
	110V 220/230V	kW kW	0.8 2.2
Three-phase AC23A	380/440V	kW	3
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	5 7.5 7.5
Single-phase AC23A	200,000		
	110V 220/230V	kW kW	0.8 2.5

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ENERGY AND AUTOMATION

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		380/440V	kW	3.7
Rated operational cur				
	DC21A			
		48V	A	20
		60V	А	20
		110V	A	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				0.0
	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
		Max	AWG	12
		IVIdX	AWG	12
	AWG - Flexible cable		A.M.C	20
		min	AWG	20
	Conductor size (IEC) - Elevible coble	Max	AWG	14
	Conductor size (IEC) - Flexible cable			0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			0 5
		min	mm²	0.5
Marchaelte 197		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direc				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
-	Operating temperature			
		min	°C	-25
			• •	

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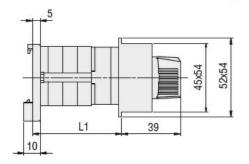
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+55



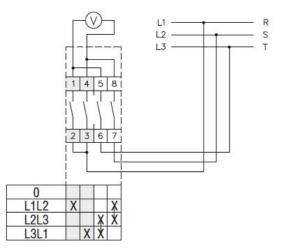
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Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				(



Carias	L1			
Series	1	2	3	
7GN12	38.1	47.8	57.5	
7GN20	38.1	47.8	57.5	
7GN25	42.5	56.1	69.7	

## 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	

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ETIM 8.0

EC001029 -Selector switch, complete