

7GN1266U47 ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH FOR PHASE-NEUTRAL AND PHASE-PHASE VOLTAGES 16A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation			switches 7GN12
General characteristics			TGNTZ
Switching diagram			66 - Voltmeter switch for phase- neutral and phase-phase voltages
N° of elements			3
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
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	16 15
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	16 10 10
Rated short time current Icw			
	1s	A	200
Conductivity Operational current le IEC/EN			10/5 mA/V
AC1/AC21A		A	16
AC15			
	110V 220/230V 380/400V	A A A	10 8 4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	2.5 4 5.5
Single-phase AC-3			-
	110V 220/230V 380/440V	kW kW kW	0.8 1.5 2.2
Three-phase AC23A	220/230V 380/440V	kW kW	3 5.5
Single-phase AC23A	500/690V	kW	7.5

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		110V	kW	0.8
		220/230V	kW	1.7
Deterlan enetienel en	ment in DO	380/440V	kW	3
Rated operational cu				
	DC21A	48V	٨	10
		48V 60V	A	12 12
			A	
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	04)/	٨	40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	Α	8
		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				
	AWG - Rigid cable			
	3 • • • • • • • • • •	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			. –
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAA	700	14
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
		min		
	Ore ductor size (IEO) Disid cable	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10⁰
UL technical data				
Motor power for dire				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55

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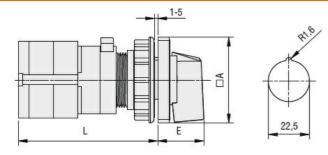
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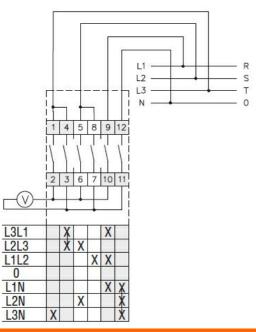
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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Corios	Dimensions		L			
Series	□A	E	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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

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ETIM classification

ETIM 8.0

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> EC001029 -Selector switch, complete