

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

7GN1266O

Product designation				ⁿ Rotary cam
Ū				switches
Product type designati General characteristics				7GN12
Switching diagram	5			66 - Voltmeter switch for phase- neutral and phase-phase voltages
N° of elements				3
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltag	je Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith	IEC/EN UL/CSA	A	16 15
Rated operational volta	200	0L/03A	A V	480
Rated operational imp	-		kV	480
	r short-circuit protection In (gG)		ĸv	4
	short-circuit protection in (gG)	10kA 15kA	A A	16 10
		25kA	A	10
Rated short time curre	nt low	ZJKA	~	10
	THE IGW	1s	А	200
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A		_	
			A	16
	AC15	1101		4.0
		110V	A	10
		220/230V	A	8
		380/400V 660/690V	A A	4 1.5
Rated operational pow	vor in AC	000/090 v	A	1.0
Rateu operational pow	Three-phase AC-3			
	Thee-phase AC-5	220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3			
		110V	kW	0.8
		220/230V	kW	1.5
		380/440V	kW	2.2
	Three-phase AC23A			
	-	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8

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ENERGY AND AUTOMATION

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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur	rent in DC	*-		
· · · · · · · · · · · · · · · · · · ·	DC21A			
		48V	А	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V	A	0.25
	DC2SA (poles in series)	24V	۸	10 (1)
			A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	А	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	A	12
		48V	Α	10
		60V	А	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			
	And - Ngiu cable	min	AWG	20
			AWG	
		Max	AWG	12
	AWG - Flexible cable		A14/0	00
		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 ⁶
UL technical data				
Motor power for direc	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single phase motor	240 V	1115	5
	for single-phase motor	40017		0.5
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature	• · · ·			
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			

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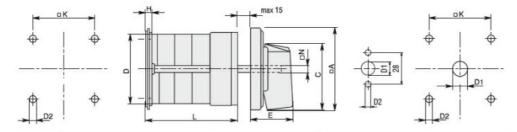


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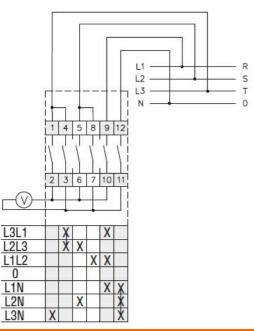
	min °C	-40
	max °C	+70
Resistance & Protection		
Frontal IP degree		IP40
Terminals IP degree		IP00
Disconsistence		

Dimensions



Corios	Dimensions					L Number of elements														
Series	□A	C	ØD	ØD2	E	Н	□K	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

е	
	CSA C22.2 n° 14
	IEC/EN/BS 60947-1
	IEC/EN/BS 60947-3
	IEC/EN/BS 60947-5-1
	UL60947-4-1
6	
	cCSAus

Certificates

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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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	EAC
	UL
ETIM classification	

ETIM 8.0

EC001029 -Selector switch, complete

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