ENERGY AND AUTOMATION



Product designation				Rotary cam
-				switches
Product type designation				7GN12
General characteristics				91 - ON/OFF
Switching diagram				switch 2 poles
N° of elements				1
				O - Rear
Mounting form				mounting with
Contact characteristics				black handle
Rated insulation voltage				
Naleu Insulation voltage		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan	d voltage Uimp		kV	6
Conventional free air the				
		IEC/EN	А	16
		UL/CSA	Α	15
Rated operational volta	-		V	480
Rated operational impu	-		kV	4
Maximum fuse size for	short-circuit protection In (gG)		•	10
		10kA 15kA	A A	16 10
		25kA	A	10
Rated short time curren	t Icw	20107	7.	10
		1s	kA	200
Conductivity				10/5 mA/V
Operational current le l	EC/EN			
	AC1/AC21A			
			A	16
	AC15	44014		10
		110V 220/230V	A A	10 8
		380/400V	A	o 4
		660/690V	A	1.5
Rated operational powe	er in AC			
	Three-phase AC-3			
		220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3	44017	1-147	0.0
		110V 220/230V	kW kW	0.8 1.5
		220/230V 380/440V	kw	2.2
	Three-phase AC23A	000/7701		<u> </u>
		220/230V	kW	3

7GN12910

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7GN12910 electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	101	А	0.20
	DCZ3A (poles in series)	24V	۸	10 (1)
		24 V 48 V	A	10 (1)
			A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
	<b>D</b> 010	220V	A	5 (4)
	DC13	<b>_</b>		
		24V	А	12
		48V	A	10
		60V	A	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			
		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		IVICA	cycles	3x10 <sup>6</sup>
UL technical data			Cycles	
	ct-on-line control			
Motor power for direc				
	for three-phase motor	4001/		4 5
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				

Temperature

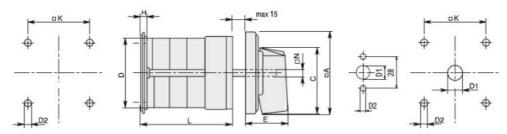
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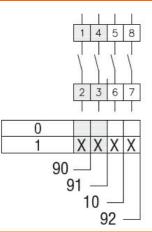
Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	

Dimensions



Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	E	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

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

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UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete