

7GN121100 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4-5, 1 POLE 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			110 Multi ator
Switching diagram			110 - Multi-ster 0-1-2-3-4-5 1 pole
N° of elements			3
Mounting form			O - Rear mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	16
	UL/CSA	<u>A</u>	15
Rated operational voltage		<u>V</u>	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			10
	10kA	A	16
	15kA 25kA	A A	10 10
Rated short time current Icw	25KA	A	10
Rated short time current icw	1s	kA	200
Conductivity	13	N-1	 10/5 mA/V
Operational current le IEC/EN			10/0 11/4 4
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	А	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			0.0
	110V	kW	0.8
	220/230V	kW	1.5
Three phase AC22A	380/440V	kW	2.2
Three-phase AC23A	220/230V	kW	3
	220/230V 380/440V	kW	5 5.5
	500/690V	kW	5.5 7.5
Single phase AC22A	000,000	1	1.0
SIDDIE-DDASE AUZOA		kW	0.0
Single-phase AC23A	110V	K V V	0.0
Single-phase AC23A	110V 220/230V	kW	0.8 1.7

Rated operational current in DC

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	DC21A		_	
		48V	А	12
		60V	А	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	0.417	•	40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
	DC13	220V	A	5 (4)
	DC13	24V	А	12
		24 V 48 V	A	10
		48V 60V		
			A	8
		110V	A	1
		220V 440V	A	0.4 0.15
Dower dissipation		440 V	A W	
Power dissipation Mechanical features			VV	0.8
Terminals screw				M3
Tightening torque for te	arminals may		Nm	0.5
Conductor size				0.5
	AWG - Rigid cable			
	AWG - Nigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	700	12
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	Max	////0	17
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	Max		2.0
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	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
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protectic				

Resistance & Protection

7GN121100 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

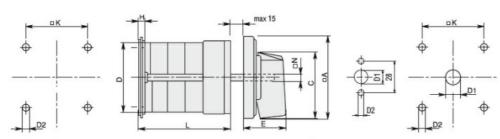


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Frontal IP degree

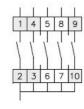
Terminals IP degree Dimensions

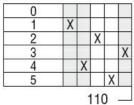




Series	Dimensions						L Number of elements													
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
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

-	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 classificatio	n	
ETIM 8.0		EC001029 - Selector switch,
		complete

complete

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