

# **7GN631090** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 32A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

				Rotary cam
Product designation				switches
Product type designat				7GN63
General characteristic	S			400 Multi star
Switching diagram				109 - Multi-step 0-1-2-3-4 1 pole
N° of elements				2
Maxing fame				O - Rear
Mounting form				mounting with black handle
Contact characteristics	6			black Hallalo
Rated insulation voltag	je Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	A	63
		UL/CSA	A	60
Rated operational volta	-		<u>V</u>	480
Rated operational imp			kV	4
Maximum fuse size for	r short-circuit protection In (gG)	401-4	۸	60
		10kA 15kA	A A	63 63
		25kA	A	63
		23kA 50kA	A	63
		63kA	A	63
Rated short time curre	nt Icw	001/1		
		1s	kA	1600
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			А	63
	AC15			
		110V	А	32
		220/230V	А	25
		380/400V	А	15
		660/690V	A	4
Rated operational pow				
	Three-phase AC-3	000 1000		
		220/230V	kW	11
		380/440V	kW	18.5
	Single-phase AC-3	500/690V	kW	18.5
	Single-phase AC-5	110V	kW	3.7
		220/230V	кvv kW	5.7 6.5
		380/440V	kW	11.5
	Three-phase AC23A	00017701		
		220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
		110V	kW	3.7
		220/230V	kW	7.5

ENERGY AND AUTOMATION

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		380/440V	kW	12.5
Rated operational cu				
	DC21A	101/		
		48V 60V	A	63 50
		60V 110V	A A	50 8
		220V	A	1
	DC23A (poles in series)	2200	Α	I
		24V	А	50 (1)
		48V	A	50 (2)
		60V	А	50 (3)
		110V	А	25 (3)
		220V	А	15 (4)
	DC13			
		24V	А	63
		48V	Α	40
		60V	А	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
	AWG - Flexible cable	Max	AWG	6
	AWG - Flexible cable	min	AWG	11
		min Max	AWG	14 8
	Conductor size (IEC) - Flexible cable	IVIAA	ANG	0
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable	max		10
		min	mm²	2.5
		Max	mm²	16
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			ý	
Motor power for dire	ct-on-line control			
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			_
		120V	HP	3
Ambient constitution		240V	HP	10
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	-25
		max	°C	-25 +55
	Storage temperature	IIIdX	0	100
	olorage lemperature	min	°C	-40
		max	°C	+70
		max		

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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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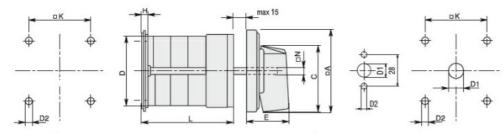
IP40 IP00

Resistance & Protection

## Frontal IP degree

Terminals IP degree

Dimensions



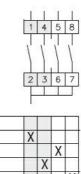
Series	Dimensions				L Number of elements															
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8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

0 1

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#### Certifications and compliance

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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		
ETIM 8.0		EC001029 - Selector switch,
		complete

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