

### **7GN6385P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5-6, 1 POLE 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

				Enclosed rotary
Product designation				cam switch
Product type designation				7GN63
General characteristics				85 - Multi-step 1-
Switching diagram				2-3-4-6 1 pole
N° of elements				3
				P - Plastic
Mounting form				enclosure with black handle
Contact characteristics				DIACK Handle
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan	d voltage Uimp		kV	6
Conventional free air th	ermal current Ith			
		IEC/EN	А	63
		UL/CSA	А	60
Rated operational volta	-		V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	A	63
		15kA	A	63
		25kA	A	63
		50kA	A	63
Detected also at times a summer		63kA	A	63
Rated short time currer	IT ICW	1s	kA	1600
Conductivity		15	ĸА	10/5 mA/V
Operational current le l	EC/EN			10/5 IIIA/ V
Operational current le l	AC1/AC21A			
			А	63
	AC15			
		110V	А	32
		220/230V	A	25
		380/400V	A	15
		660/690V	А	4
Rated operational powe	er in AC			
	Three-phase AC-3			
		220/230V	kW	11
		380/440V	kW	18.5
		500/690V	kW	18.5
	Single-phase AC-3			
		110V	kW	3.7
		220/230V	kW	6.5
		380/440V	kW	11.5
	Three-phase AC23A			10 5
		220/230V	kW	12.5
		380/440V	kW	30
	Single-phase AC23A	500/690V	kW	30
	Singie-phase AUZSA	110V	kW	3.7
		220/230V	kW	7.5
		220/2004	11.00	1.0

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ENERGY AND AUTOMATION

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		380/440V	kW	12.5
Rated operational c	urrent in DC			
	DC21A			
		48V	Α	63
		60V	A	50
		110V	A	8
		220V	A	1
	DC23A (poles in series)	0.417		FO (4)
		24V 48V	A	50 (1)
		48 V 60 V	A A	50 (2) 50 (3)
		110V	A	
		220V	A	25 (3) 15 (4)
	DC13	2201	~	13 (4)
	DC13	24V	А	63
		48V	A	40
		40V 60V	A	28
		110V	A	3.3
Power dissipation		1101	W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for	or terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	<b>9 1 1 1</b>	min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	16
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire				
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor	1001		0
		120V	HP	3
Ambiont conditions		240V	HP	10
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	-25
		min	°C	-25 +55
	Storage temperature	max	U	<del>1</del> 00
	Storage temperature	min	°C	-40
		max	°C	-40 +70
		mdX	U	

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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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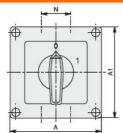
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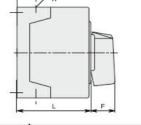
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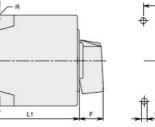
ENERGY AND AUTOMATION

Resistance & Protection

Frontal IP degree



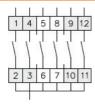




IP65 IP00

Series	Enclosure	Number of	f elements					Dime	nsions					Cable	Protection
size size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree	
7GN12	75x75	1-2	3 - 4	1											
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25	1	1	2-3	1											
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6						1000	100000					
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4												
7GN40		1	2 - 3												
7GN12	110x110	1-4	5 - 8	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5												
7GN32		1-3	4 - 5												
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												
7GN40		1-2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1-2	3 - 4	120	175	140	112	5.5	32	21	00	04.0	110.5	2xPG11	100
7GN125		1	2												
7GN32	180x254	1-5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63		1-3	4 - 6	100	204	120	190	5.5	32	35	10	121	1/5	2xPG11	11'00
7GN125		1-2	3 - 4												

Wiring diagrams



					^	-
			Х			2
X	Х					3
				Х		4
		Х				5
						6

#### Certifications and compliance

# Compliance

Compliance		
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification		
		E0004000

### ETIM 8.0

EC001029 -Selector switch, complete



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