

# **7GN2551P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 1 POLE 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation				Enclosed rotary
-				cam switch
Product type designati General characteristics				7GN25
Switching diagram				51 - Changeover
				switch 1 pole
N° of elements				1
Mounting form				P - Plastic enclosure with
Mounting form				black handle
Contact characteristics	3			
Rated insulation voltag	le Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	A	25
		UL/CSA	A	30
Rated operational volta			V	480
Rated operational imp			kV	4
Maximum fuse size for	r short-circuit protection In (gG)		•	05
		10kA	A	25
		15kA 25kA	A	25 25
Rated short time curre	ntlow	ZOKA	A	25
Rated Short time curre	THE ICW	1s	А	400
Conductivity		15	A	10/5 mA/V
Operational current le				10/3 IIIA/ V
Operational current le	AC1/AC21A			
			А	25
	AC15		7	20
		110V	А	16
		220/230V	A	12
		380/400V	A	8
		660/690V	А	2
Rated operational pow	ver in AC			
	Three-phase AC-3			
		220/230V	kW	5.5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC-3			
		110V	kW	1.5
		220/230V	kW	3
		380/440V	kW	5.5
	Three-phase AC23A	000/0001	1.3.47	0.5
		220/230V	kW	6.5
		380/440V	kW	11
	Single phase AC22A	500/690V	kW	11
	Single-phase AC23A	110V	L\\/	15
		220/230V	kW kW	1.5 3.7
		380/440V	kW	5.5
Rated operational curr	ent in DC	000/4401	17.4.4	0.0

# Rated operational current in DC

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	DC21A			
		48V	А	25
		60V	А	25
		110V	А	4
		220V	А	0.7
	DC23A (poles in series)			
		24V	А	25 (1)
		48V	А	25 (2)
		60V	А	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			
		24V	А	25
		48V	А	20
		60V	А	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for to	erminals max		Nm	0.8
Conductor size			1 111	0.0
	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
		Max	AWG	
	AWG - Flexible cable	IVIdX	AWG	10
	AWG - Flexible cable		A \ A \ O	00
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable		2	~ <del>-</del>
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable		2	
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct				
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
	Operating temperature	min	°C	-25
	Operating temperature	min max	℃ ℃	-25 +55
	Operating temperature Storage temperature	max	°C	+55
		max min	°C °C	+55 -40
	Storage temperature	max	°C	+55

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 7GN2551P

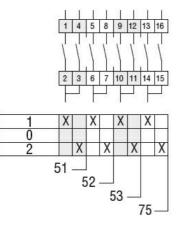


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Frontal IP degree Terminals IP degr														IP65 IP00
Dimensions														
					-		R			- + +		o	E.	
Series Enclosure size	Number of element	s A	A1	С	C1	Dimer D	nsions F	М	N	L	L1	Cable entry	Protection degree	
7GN12 75x75 7GN20 7GN25	1-2 3-4 1-2 3-4 1 2-3	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN12 90x90 7GN20 7GN25 7GN32 7GN40	1-3 4-6   1-3 4-6   1-2 3-4   1-2 3-4   1-2 3-4   1 2-3	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN63	1-4 5-8   1-4 5-8   1-3 4-5   1-3 4-5   1-2 3-5   1-2 3-4	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN32 125x175 7GN40 7GN63 7GN125	1-3 4-5   1-2 3-4   1-2 3-4   1 2	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65	
7GN32 180x254 7GN40 7GN63 7GN125	1 - 5 6 - 8   1 - 4 5 - 7   1 - 3 4 - 6   1 - 2 3 - 4	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65	

#### Wiring diagrams



#### Certifications and compliance Compliance IEC/EN/BS 60947-1 IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1 Certificates EAC ETIM classification EC001029 -**ETIM 8.0** Selector switch, complete

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