

# **7GN2552P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 2 POLES 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN25
General characteristics			50 01
Switching diagram			52 - Changeover switch 2 poles
N° of elements			2
Mounting form			P - Plastic enclosure 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	25
	UL/CSA	Α	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw			100
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		^	25
AC15		A	25
ACIS	110V	А	16
	220/230V	A	12
	380/400V	A	8
	660/690V	A	2
Rated operational power in AC	000/0001		2
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			
	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A			
	110V	kW	1.5
	220/230V	kW	3.7
Rated operational current in DC	380/440V	kW	5.5

### 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	А	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				 
Terminals screw				M3.5
Tightening torque for	terminals max		Nm	0.8
Conductor size				0.0
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
			AWG	10
	AWG - Flexible cable	Max	AWG	10
	AVVG - Flexible cable			20
		min	AWG	20
	Operaturation since (UEO) - Elevithia pachia	Max	AWG	12
	Conductor size (IEC) - Flexible cable		2	o =
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable		2	- <b>-</b>
		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			
	for single-phase motor	120V	HP	1.5
	for single-phase motor		HP HP	1.5 3
Ambient conditions	for single-phase motor	120V		
Ambient conditions Temperature	for single-phase motor	120V		
	for single-phase motor Operating temperature	120V		
		120V		
		120V 240V	HP	3
	Operating temperature	120V 240V min	ΗΡ °C	3 -25
		120V 240V min	ΗΡ °C	3 -25
	Operating temperature	120V 240V min max	HP °C °C	3 -25 +55

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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

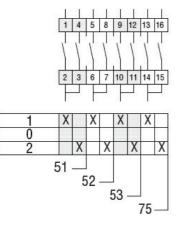


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ENERGY AND AUTOMATION

Frontal IP degree Terminals IP degree													IP65 IP00
Dimensions													IFUU
				-		R 		F.	+ + +		°	к <u>к</u>	
Series Enclosure Number of elements	A	A1	С	C1	Dimer D	nsions F	M	N	L	L1	Cable entry	Protection degree	
7GN12         75x75         1 - 2         3 - 4           7GN20         1 - 2         3 - 4           7GN25         1         2 - 3	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN12         90x90         1 - 3         4 - 6           7GN20         1 - 3         4 - 6           7GN25         1 - 2         3 - 4           7GN32         1 - 2         3 - 4           7GN40         1         2 - 3	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN12         110x110         1 - 4         5 - 8           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	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN32         125x175         1 - 3         4 - 5           7GN40         1 - 2         3 - 4           7GN63         1 - 2         3 - 4           7GN125         1         2	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65	
7GN32         180x254         1 - 5         6 - 8           7GN40         1 - 4         5 - 7           7GN63         1 - 3         4 - 6           7GN125         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 ETIM 8.0 EC001029 Selector switch, complete

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