

## **7GN25510** ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 1 POLE 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches	
Product type designation	7GN25			
General characteristics				
Switching diagram			51 - Changeover switch 1 pole	
N° of elements			1	
Mounting form			O - Rear mounting with black handle	
Contact characteristics			DIACK HANDLE	
Rated insulation voltage Ui				
J. J	IEC/EN UL/CSA	V V	690 600	
Rated impulse withstand voltage Uimp	01/03/	kV	6	
Conventional free air thermal current Ith		ιτν	0	
	IEC/EN	А	25	
	UL/CSA	A	30	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection In (gG)				
	10kA	А	25	
	15kA	А	25	
	25kA	Α	25	
Rated short time current Icw				
	1s	A	400	
Conductivity			10/5 mA/V	
Operational current le IEC/EN				
AC1/AC21A		•	05	
<u>A015</u>		A	25	
AC15	110V	А	16	
	220/230V	A	16 12	
	380/400V	A	8	
	660/690V	A	2	
Rated operational power 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		1.1.4.7	0 F	
	220/230V	kW	6.5	
	380/440V	kW	11	
Single-phase AC23A	500/690V	kW	11	
Single-phase ACZSA	110V	kW	1.5	
	220/230V	kW	3.7	
	380/440V	kW	5.5	
Rated operational current in DC	000, 440 V		0.0	

## Rated operational current in DC

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ENERGY AND AUTOMATION

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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	A	12 (3)
		220V	A	10 (4)
	DC13			
		24V	А	25
		48V	A	20
		40 V 60 V	A	16
		110V		1.5
		220V	A	
Dowor dissinction		2201	A W	0.4
Power dissipation Mechanical features			VV	1.1
				Мог
Terminals screw	orminolo mov		Nim	M3.5
Tightening torque for t	erminais max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			-,	
Motor power for direct	-on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		400V 600V	HP	15
		0000		
	for single-phase motor			
	for single-phase motor	120\/	ΗD	15
	for single-phase motor	120V 240V	HP HP	1.5
Ambient conditions	for single-phase motor	120V 240V	HP HP	1.5 3
Ambient conditions	for single-phase motor			
Ambient conditions Temperature				
	for single-phase motor Operating temperature	240V	HP	3
		240V min	HP °C	3 -25
	Operating temperature	240V	HP	3
		240V min max	HP °C °C	3 -25 +55
	Operating temperature	240V min max min	HP °C °C °C	3 -25 +55 -40
	Operating temperature Storage temperature	240V min max	HP °C °C	3 -25 +55

7GN25510The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and<br/>functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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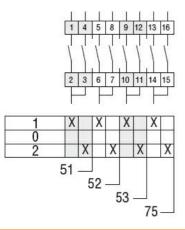
Frontal IP degree

Terminals IP degree Dimensions



Series	Dimensions						L Number of elements													
Series	□A	C	ØD	ØD2	E	Н	□K	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 classification	1	
ETIM 8.0		EC001029 - Selector switch, complete

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