

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 ⁶
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
functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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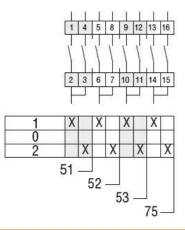
Frontal IP degree

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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