

7GN25520 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 2 POLES 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation			switches 7GN25
General characteristics			101120
Switching diagram			52 - Changeover switch 2 poles
N° of elements			2
Mounting form			O - Rear mounting 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	A	25
Detect encretional valters	UL/CSA	A V	30
Rated operational voltage Rated operational impulse voltage		kV	480 4
Maximum fuse size for short-circuit protection In (gG)		ĸv	4
Maximum ruse size for short-circuit protection in (gG)	10kA	А	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	25
AC15			
	110V	A	16
	220/230V	A	12
	380/400V	A	8
Poted operational power in AC	660/690V	A	2
Rated operational power in AC Three-phase AC-3			
iniee-pilase AU-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			4 5
	110V	kW	1.5
	220/230V	kW	3.7 5.5
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	А	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for te	erminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	Max	////0	10
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIAN	And	12
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	IVIAN		4
		min	mm²	0.5
		Max	mm²	4
Mechanical life		IVIAX		
UL technical data			cycles	57.10
	on line control			
Motor power for direct-				
	for three-phase motor	1001/	υп	2
		120V	HP	3
		240V 480V	HP HP	5
		480V 600V	HP HP	10 15
	for single phase motor	0000	٦٢	15
	for single-phase motor	1001/	ЦБ	1 E
		120V	HP	1.5
Ambient conditions		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature		~~	<u></u>
		min	°C	-25
		max	°C	+55
	Storage temperature	-	~ -	10
		min	°C	-40
		max	°C	+70
Resistance & Protection	on <u>n</u> ana ang ang ang ang ang ang ang ang ang			

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 7GN2552O



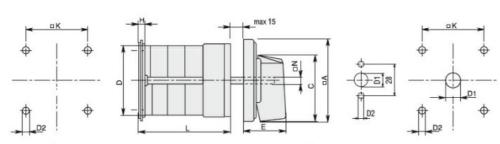
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Frontal IP degree

Dimensions

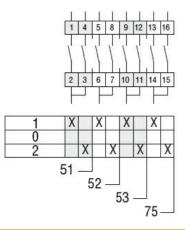
Terminals IP degree

IP40 IP00



Series	Dimensions						L Number of elements													
Series	□A	С	ØD	ØD2	E	Н	۵K	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		
ETIM 8.0		EC001029 - Selector switch, complete

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