

7GN2054U electric ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

			Rotary cam
Product designation			switches
Product type designation			7GN20
General characteristics			54 Changeover
Switching diagram			54 - Changeover switch without 0 1 pole
N° of elements			1
Mounting form			U - Front 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		٨	20
	IEC/EN UL/CSA	A A	20 20
Rated operational voltage	01/03A	X	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	20
	15kA	А	16
	25kA	А	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		_	
1045		A	20
AC15	110V	А	10
	220/230V	A	8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2
Three-phase AC23A	380/440V	kW	3
Inite-phase AUZSA	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7
Rated operational current in DC			

Rated operational current in DC

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ENERGY AND AUTOMATION

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	DC21A			
		48V	A	20
		60V	A	20
		110V	A	4
		220V	Α	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	A	20 (1)
		48V	А	20 (2)
		60V	A	20 (3)
		110V	Α	10 (3)
		220V	A	8 (4)
	DC13		_	
		24V	A	20
		48V	А	16
		60V	A	12
		110V	A	1
		220V	А	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		240V 480V	HP HP	3 7.5
	for single-phase motor	480V	HP	7.5
	for single-phase motor	480V 600V 120V	HP HP HP	7.5
	for single-phase motor	480V 600V	HP HP	7.5 10
Ambient conditions	for single-phase motor	480V 600V 120V	HP HP HP	7.5 10 0.75
Ambient conditions Temperature	for single-phase motor	480V 600V 120V	HP HP HP	7.5 10 0.75
	for single-phase motor Operating temperature	480V 600V 120V	HP HP HP	7.5 10 0.75
		480V 600V 120V	HP HP HP	7.5 10 0.75
		480V 600V 120V 240V	HP HP HP HP	7.5 10 0.75 2
		480V 600V 120V 240V min	HP HP HP HP	7.5 10 0.75 2 -25
	Operating temperature	480V 600V 120V 240V min	HP HP HP HP	7.5 10 0.75 2 -25

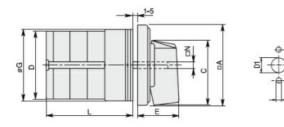
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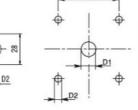
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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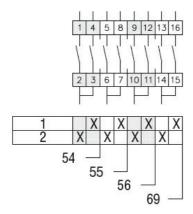




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements													
Series	□A	С	ØD	ØD1	ØD2	E	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	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		EC001105 - Off-

E I IIVI 8.U

load switch