

7GN20510 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 1 POLE 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Draduct designation				Rotary cam
Product designation				switches
Product type designat General characteristic				7GN20
	5			51 - Changeover
Switching diagram				switch 1 pole
N° of elements				1
Manuatia a farma				O - Rear
Mounting form				mounting with black handle
Contact characteristic	S			
Rated insulation voltage	ge Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air t	hermal current Ith			
		IEC/EN	А	20
		UL/CSA	А	20
Rated operational volt	-		V	480
Rated operational imp	-		kV	4
Maximum fuse size fo	r short-circuit protection In (gG)			
		10kA	А	20
		15kA	A	16
		25kA	A	16
Rated short time curre	ent Icw			
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A			
			A	20
	AC15	44014		10
		110V	A	10
		220/230V	A	8
		380/400V 660/690V	A	6 1.5
Rated operational pov	vor in AC	000/090V	A	1.5
Nateu operational pov	Three-phase AC-3			
	mee-phase AC-3	220/230V	kW	3
		380/440V	kW	5 5.5
		500/690V	kW	5.5
	Single-phase AC-3	000/0001	11.0.0	0.0
		110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A	000,1101		-
		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 cur	rent in DC			

Rated operational current in DC

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ENERGY AND AUTOMATION

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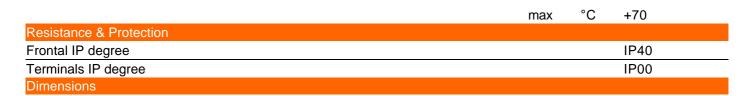
	DC21A			
		48V	А	20
		60V	A	20
		110V	A	4
		220V		
			A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	A	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	A	16
		40V 60V		12
			A	
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for t	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIdX	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		min Max	mm² mm²	0.5 2.5
	Conductor size (IEC) - Rigid cable	Max	mm²	2.5
		Max min	mm²	2.5 0.5
Mechanical life		Max	mm² mm² mm²	2.5 0.5 2.5
Mechanical life		Max min	mm²	2.5 0.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min	mm² mm² mm²	2.5 0.5 2.5
	Conductor size (IEC) - Rigid cable	Max min	mm² mm² mm²	2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max	mm ² mm ² mm ² cycles	2.5 0.5 2.5 5x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V	mm ² mm ² cycles	2.5 0.5 2.5 5x10 ⁶ 1.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V 240V	mm ² mm ² cycles HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V 240V 480V	mm ² mm ² cycles HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max 120V 240V	mm ² mm ² cycles HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V 240V 480V	mm ² mm ² cycles HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max 120V 240V 480V	mm ² mm ² cycles HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max 120V 240V 480V 600V	mm ² mm ² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max 120V 240V 480V 600V 120V	mm ² mm ² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max 120V 240V 480V 600V 120V	mm ² mm ² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max 120V 240V 480V 600V 120V	mm ² mm ² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max 120V 240V 480V 600V 120V 240V	mm ² mm ² cycles HP HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max 120V 240V 480V 600V 120V 240V	mm ² mm ² cycles HP HP HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2 -25
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor Operating temperature	Max min Max 120V 240V 480V 600V 120V 240V	mm ² mm ² cycles HP HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max 120V 240V 480V 600V 120V 240V	mm ² mm ² cycles HP HP HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2 -25

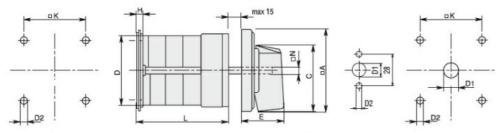
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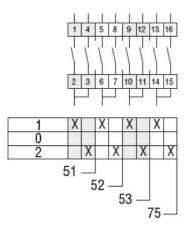
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Series	Dimensions						L Number of elements													
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	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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