7GN2007O

ENERGY AND AUTOMATION

electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
-			switches 7GN20
Product type designation General characteristics			7 GIN20
			07 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
Maxima farma			O - Rear
Mounting form			mounting with black handle
Contact characteristics			black handle
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	А	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA 15kA	A	20 16
	25kA	A A	16
Rated short time current Icw	23KA	A	10
	1s	kA	250
Conductivity	15	10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	6
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	000/0001/	1.1.1/	2
	220/230V 380/440V	kW kW	3 5.5
	500/690V	kW	5.5
Single-phase AC-3	300/030 V	K V V	0.0
	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			
·	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
Rated operational current in DC	380/440V	kW	3.7

Rated operational current in DC

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	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13			
		24V	A	20
		48V	А	16
		60V	А	12
		110V	A	1
		220V	A	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for t	erminals may		Nm	0.5
			INIII	0.0
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 ^e
UL technical data				
Motor power for direct	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
			HP	3
				`
		240V		
		480V	HP	7.5
	for single-phase motor	480V	HP	7.5
	for single-phase motor	480V 600V	HP HP	7.5 10
	for single-phase motor	480V 600V 120V	HP HP HP	7.5 10 0.75
Ambient conditions	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		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 2
		480V 600V 120V 240V min	HP HP HP	7.5 10 0.75 2 -25
	Operating temperature	480V 600V 120V 240V	HP HP HP HP	7.5 10 0.75 2
		480V 600V 120V 240V min	HP HP HP	7.5 10 0.75 2 -25

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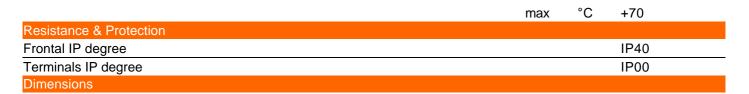
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

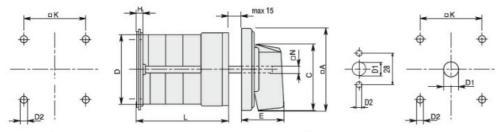


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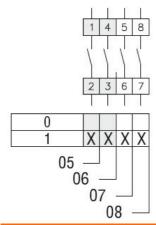
WITH BLACK HANDLE, FRONT PLATE 48X48MM





Series				Dimer	nsions				L Number of elements											
Series	□A	С	ØD	ØD2	Е	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		EC001105 - Off- load switch

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