

# **7GN201350** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			135 - Multi-step 0-1-2 3 poles
N° of elements			3
Mounting form			O - Rear mounting with black handle
Contact characteristics			Black Hanale
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	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)	401-4	٨	20
	10kA 15kA	A A	20 16
	25kA	A	16
Rated short time current Icw	20174	~	10
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	А	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 5.5
	500/690V	kW	5.5
Single-phase AC-3	000,000 1		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

7GN20135O



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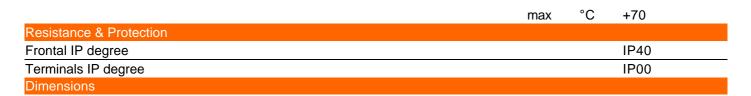
	DootA			
	DC21A	401/	۸	00
		48V	A	20
		60V	A	20
		110V 220V	A	4
		220V 440V	A A	0.6 0.25
	DC23A (poles in series)	440 V	~	0.23
		24V	А	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for t	terminals 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		2	0 F
		min	mm²	0.5
Machanicallifa		Max	mm²	2.5
Mechanical life UL technical data			cycles	5x10 <sup>6</sup>
Motor power for direct	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		2701		
		480\/	HP	(5
		480V 600V	HP HP	7.5 10
	for single-phase motor	480V 600V	HP HP	7.5 10
	for single-phase motor	600V	HP	10
	for single-phase motor			10 0.75
Ambient conditions	for single-phase motor	600V 120V	HP HP	10
Ambient conditions Temperature	for single-phase motor	600V 120V	HP HP	10 0.75
	for single-phase motor Operating temperature	600V 120V	HP HP	10 0.75
		600V 120V	HP HP	10 0.75
		600V 120V 240V	HP HP HP	10 0.75 2
		600V 120V 240V min	HP HP HP °C °C	10 0.75 2 -25 +55
	Operating temperature	600V 120V 240V min	HP HP HP	10 0.75 2 -25

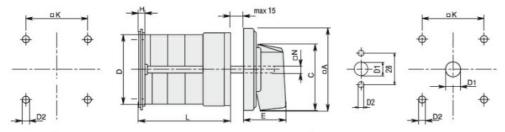
7GN20135O

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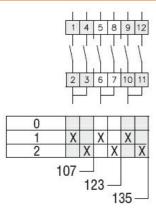
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Series	Dimensions						L Number of elements													
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8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

7GN20135O