

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



7GN20135O ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

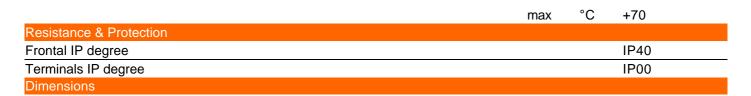
	DootA			
	DC21A	401/	۸	00
		48V	A	20
		60V	A	20
		110V 220V	A	4
		220V 440V	A A	0.6 0.25
	DC23A (poles in series)	440 V	~	0.23
		24V	А	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			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 ⁶
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

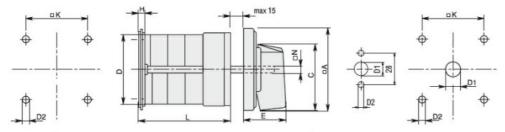
7GN20135O

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



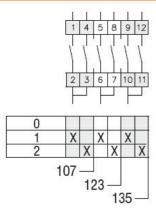
7GN201350 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM





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