



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

Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			124 - Multi-step 0-1-2-3 2 poles
N° of elements			3
Mounting form			O - Rear mounting with black handle
Contact characteristics			Diagramana i
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	150/5N		0.0
	IEC/EN UL/CSA	A	20 20
Rated operational voltage	UL/C5A	A V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		100	'
(30)	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current lcw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	20
AC15			20
AOTO	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	/		
	220/230V	kW	3
	380/440V 500/690V	kW kW	5.5 5.5
Single-phase AC-3	300/090 V	KVV	3.3
Olligie pliase AO 3	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	4401	1 147	0.0
	110V	kW	0.8
	220/230V 380/440V	kW kW	2.5 3.7
Rated operational current in DC	300/4407	r v v	J.1





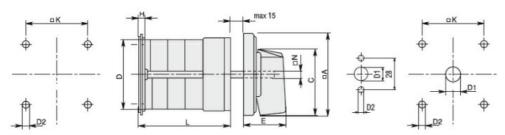
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	DC21A			
	DCZTA	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	770 V		0.20
	DOZON (poics in schoo)	24V	Α	20 (1)
		48V	A	20 (1)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	Α	8 (4)
	DC13			<u> </u>
	50.0	24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		1101	W	0.8
Mechanical features			• • • • • • • • • • • • • • • • • • • •	0.0
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size	minute max		1 1111	0.0
Conductor Size	AWG - Rigid cable			
	AWO - Nigiti cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	AVVO	12
	AVVO - I TEXTIDIE CADIE	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAA	700	
	Colludator Size (ILO) - Flexible Cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.5
	Conductor size (ILO) - Nigid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVICA	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	3810
Motor power for direct-	on-line control			
Motor power for all cot v	for three-phase motor			
	10. till 00 prid00 motor	120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor	500 V		
	Tot olingio priddo motor	120V	HP	0.75
		240V	HP	2
Ambient conditions		<u> </u>	4 11	_
Temperature				
Tomporataro	Operating temperature			
	Sporating temperature	min	°C	-25
		max	°C	+55
		max		
	Storage temperature			
	Storage temperature	min	°C	-40



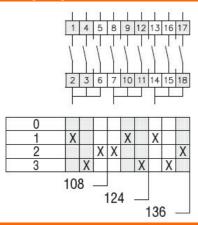
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Series	Dimensions								L Number of elements											
Selles	□A	C	ØD	ØD2	Е	Η	□K	□N	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