

7GN20970 ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

			Rotary cam
Product designation			switches
Product type designation			7GN20
General characteristics			97 - Ammeter
Switching diagram			switch
N° of elements			5
Mounting form			O - Rear mounting with
Wounting form			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	<u>V</u>	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)			
	10kA	A	20
	15kA	A	16
	25kA	A	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	20
AC15	44014		10
	110V	A	10
	220/230V	A	8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	000/0001/	1.3.47	2
	220/230V	kW	3
	380/440V	kW	5.5
Cincle at and AO O	500/690V	kW	5.5
Single-phase AC-3	44017	1.1.1.1	0.9
	110V	kW kW	0.8
	220/230V	kW kW	2.2
	380/440V	kW	3
Three-phase AC23A	220/2201/	L/\//	Б
	220/230V	kW	5
	380/440V	kW	7.5 7.5
Single phase ACO2A	500/690V	kW	7.5
Single-phase AC23A	110V		0.8
	220/230V	kW kW	0.8
	220/230V 380/440V	kW kW	2.5 3.7
Rated operational current in DC	30U/44UV	r, v v	5.1

Rated operational current in DC

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	DC21A				
		48V	А	20	
		60V	А	20	
		110V	A	4	
		220V	A	0.6	
		440V	A	0.25	
	DC23A (poles in series)	1101		0.20	
		24V	А	20 (1)	
		48V	А	20 (2)	
		60V	А	20 (3)	
		110V	А	10 (3)	
		220V	A	8 (4)	
	DC13			- (')	
		24V	А	20	
		48V	А	16	
		60V	А	12	
		110V	A	1	
		220V	A	0.4	
		440V	A	0.15	
Power dissipation		440 V		0.13	
Mechanical features			vv	0.0	
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				
		min	AWG	20	
		Max	AWG	14	
	Conductor size (IEC) - Flexible cable				
		min	mm²	0.5	
		Max	mm²	2.5	
	Conductor size (IEC) - Rigid cable				
	() 3	min	mm²	0.5	
		Max	mm²	2.5	
Mechanical life			cycles	5x10 ⁶	
UL technical data					
Motor power for direct	-on-line control				
	for three-phase motor				
		120V	HP	1.5	
		240V	HP	3	
		480V	HP	7.5	
		400V 600V	HP	10	
	for single-phase motor	0001		10	
	ior single-phase motor	120V	HP	0.75	
		240V	HP	2	
Ambient conditions		240 V	1 11	2	
Temperature					
	Operating temperature				
		min	°C	-25	
		max	°C	+55	
	Storage temperature	max	~		
		min	°C	-40	
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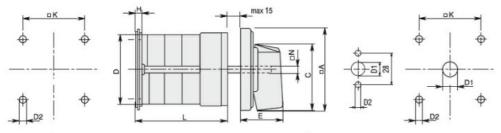
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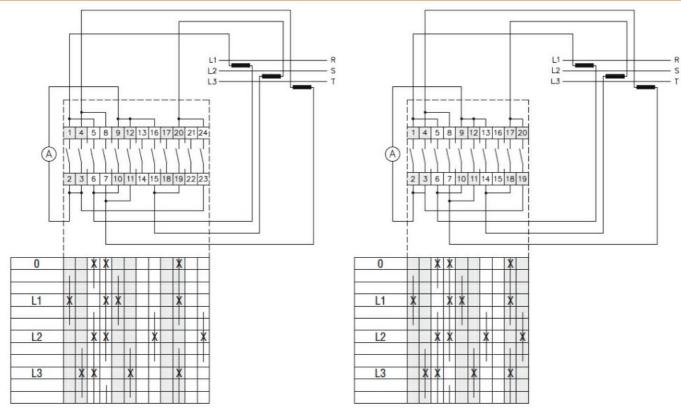
DN BLACK HANDLE





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

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	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete