

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 1 POLE 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE **ENERGY AND AUTOMATION**

Product designation			Enclosed rotary
Product type designation			cam switch 7GN12
General characteristics			7 01112
Switching diagram			82 - Multi-step 1- 2-3 1 pole
N° of elements			2
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			black Hariale
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	JE 0 /EN		4.0
	IEC/EN UL/CSA	A	16 15
Rated operational voltage	UL/CSA	A V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	'
	10kA	Α	16
	15kA	Α	10
	25kA	Α	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	16
AC15			10
AOTO	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V 500/690V	kW kW	4 5.5
Single-phase AC-3	300/0907	L/ V V	J.J
Cingle phase No 0	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A			
	220/230V	kW	3
	380/440V	kW	5.5
0'11	500/690V	kW	7.5
Single-phase AC23A	440\/	J.\^ <i>I</i>	0.8
	110V 220/230V	kW kW	0.8
Rated operational current in DC	220/230V 380/440V	kW kW	1.7



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	DC21A			
	50217	48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			_
	· ·	24V	Α	10 (1)
		48V	Α	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	Α	5 (4)
	DC13			_
		24V	Α	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	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			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor	4001/	ш	4 =
		120V	HP	1.5
	The standard are made	240V	HP	3
	for single-phase motor	40017	1.10	0.5
		120V	HP	0.5
Ambient conditions		240V	HP	1
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	25
		min	°C	-25 -55
	Otana na tama anatuna	max	U	+55
	Storage temperature	m-!-	°C	40
	Storage temperature	min	°C	-40 -70
Resistance & Protection		min max	°C °C	-40 +70



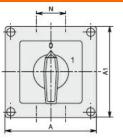
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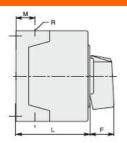
ENERGY AND AUTOMATION

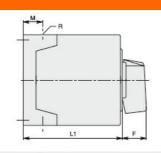
Frontal IP degree IP65

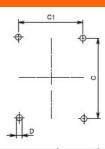
Terminals IP degree IP00

Dimensions



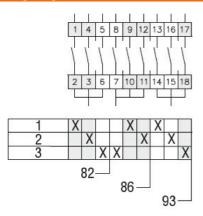






Series	Enclosure size	Number o	f elements	Dimensions									Cable	Protection	
		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0		0.000	100000	10000000	2400.0	1053-04	0000			200000000000000000000000000000000000000	100000000000000000000000000000000000000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4							31.5					31-32-34-2
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	30.4	65	4.5	32	21	39.5	00.0	119.5	47.5021	11.02
7GN40		1 - 2	3 - 5												
7GN63		1 - 2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	3	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	1/3	140	112	0.0	32	21	00	04.3	110.3	2xPG11	11.02
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63]	1 - 3	4 - 6	100	204	120	190	0.0	32	33	7.0	121	1/3	2xPG11	11.00
7GN125		1-2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete