electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A IN PLASTIC **ENCLOSURE 75X75MM WITH BLACK HANDLE ENERGY AND AUTOMATION**



Product designation			Enclosed rotary cam switch
Product type designation			7GN12
General characteristics			
Switching diagram			91 - ON/OFF switch 2 poles
N° of elements			1
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			Didok Hariaro
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	16
Date demonstrated valters	UL/CSA	A V	15 480
Rated operational voltage Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		KV	4
Maximum ruse size for short-circuit protection in (gG)	10kA	Α	16
	15kA	A	10
	25kA	Α	10
Rated short time current lcw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	A	4
Poted operational power in AC	660/690V	A	1.5
Rated operational power in AC Three-phase AC-3			
Tillee-phase AO-3	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3	333,3331		
2g F	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A	220/230V	kW	3



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		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur	rent in DC	000/1101		
rtated operational cui	DC21A			
	DCZTA	40\/	٨	40
		48V	A	12
		60V	A	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	A	5 (3)
		220V	A	5 (4)
	DC12	220 V		3 (4)
	DC13	0.07	Α.	40
		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	terminals max		Nm	0.5
Conductor size	ionnia max			0.0
Conductor Size	AWG - Rigid cable			
	AVVG - Rigid Cable		A1A/C	20
		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		IVICA	cycles	3x10 ⁶
UL technical data			cycles	JA 10
	t on line central			
Motor power for direc	L-OH-IIIIE CONITOI			
	for three-phase motor			
		120V	HP	1.5
	for three-phase motor	120V 240V	HP HP	1.5 3
	for three-phase motor			
	for three-phase motor	240V	HP	3
Ambient conditions	for three-phase motor	240V 120V	HP HP	0.5
Ambient conditions Temperature	for three-phase motor	240V 120V	HP HP	0.5



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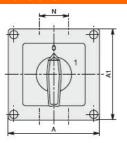
Operating temperature

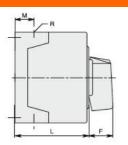
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

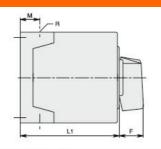
Resistance & Protection

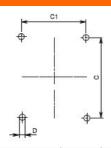
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



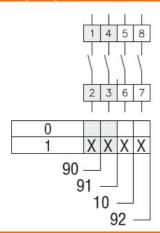






Series	Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
Series		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0.000		0.00	100000	10000000	2000	100000	4000			200000000000000000000000000000000000000	
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							337.55					31-32-3-3-17
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	90.4	00	4.5	32	21	39.5	00.0	119.5	417421	11.00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	30.2000.00000	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	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	11-00
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	5.5	32	35	10	121	1/5	2xPG11	11.00
7GN125		1 - 2	3 - 4	4											

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3



7GN1291P

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IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete