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			
	DC21A			
		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			5 (1)
		24V	Α	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V		0.4
Dawar dissination		4407	A W	
Power dissipation			VV	0.8
Mechanical features				
Tamainala aarau				MO
Terminals screw			Nima	M3
Tightening torque for t	terminals max		Nm	M3 0.5
			Nm	
Tightening torque for t	terminals max AWG - Rigid cable			0.5
Tightening torque for t		min	AWG	20
Tightening torque for t	AWG - Rigid cable	min Max		0.5
Tightening torque for t			AWG AWG	0.5 20 12
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	0.5 20 12 20
Tightening torque for t	AWG - Rigid cable	Max	AWG AWG	0.5 20 12
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	0.5 20 12 20
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	0.5 20 12 20
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	0.5 20 12 20 14
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.5 20 12 20 14 0.5
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.5 20 12 20 14 0.5
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.5 20 12 20 14 0.5 2.5
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5
Tightening torque for to Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
Tightening torque for to Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max	AWG AWG AWG Mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG Mm² mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3
Tightening torque for to Conductor size Mechanical life UL technical data Motor power for direct	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG Mm² mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3



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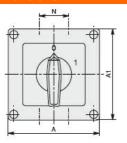
Operating temperature

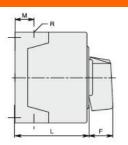
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

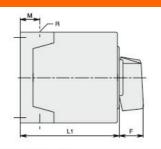
Resistance & Protection

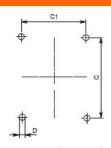
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



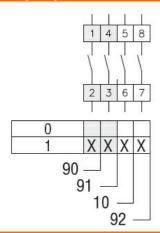






Series	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 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	30.2008.00000	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