

ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
•			switches
Product type designation General characteristics			7GN12
			109 - Multi-step
Switching diagram			0-1-2-3-4 1 pole
N° of elements			2
			U - Front
Mounting form			mounting with black handle
Contact characteristics			DIACK HATIGIE
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
Rated operational voltage	UL/CSA	A V	15 480
Rated operational voltage Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		ΚV	<u> </u>
maximum race size for effect effective protection in (ge)	10kA	Α	16
	15kA	Α	10
	25kA	Α	10
Rated short time current lcw			
	1s	Α	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	16
AC15			10
	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
Single-phase AC-3	300/0907	r.vv	5.5
Olligie-priase AO-3	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
	Cinale phase AC22A	300/030 V	IXVV	7.0
	Single-phase AC23A			
		110V	kW	8.0
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational c	urrent in DC			
	DC21A			
	DOZTA	40\/	۸	40
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC22A (nolog in pariog)	1101		0.20
	DC23A (poles in series)		_	
		24V	Α	10 (1)
		48V	Α	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	A	
	D040	2207	А	5 (4)
	DC13			
		24V	Α	12
		48V	Α	10
		60V	Α	8
		110V	A	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
			N I	
Tightening torque for	or terminais max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	AWG - Rigid cable	min	AWG	20
	AWG - Rigid cable	min May	AWG	20
		min Max	AWG AWG	20 12
	AWG - Rigid cable AWG - Flexible cable	Max	AWG	12
			AWG	
		Max	AWG	12
	AWG - Flexible cable	Max min	AWG	20
		Max min Max	AWG AWG AWG	20 14
	AWG - Flexible cable	Max min Max min	AWG AWG AWG	20 14 0.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	20 14
	AWG - Flexible cable	Max min Max min	AWG AWG AWG	12 20 14 0.5 2.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG	20 14 0.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	12 20 14 0.5 2.5
Mechanical life	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	12 20 14 0.5 2.5
Mechanical life	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	12 20 14 0.5 2.5
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	12 20 14 0.5 2.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control	Max min Max min Max	AWG AWG AWG mm² mm² mm²	12 20 14 0.5 2.5
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	12 20 14 0.5 2.5
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control	Max min Max min Max	AWG AWG AWG mm² mm² mm²	12 20 14 0.5 2.5
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control	Max min Max min Max min Max	AWG AWG AWG mm² mm² cycles	12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control for three-phase motor	Max min Max min Max min Max	AWG AWG AWG mm² mm² mm² cycles	20 14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles HP HP	12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles HP HP	20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles HP HP	12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data Motor power for dire	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles HP HP	20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ect-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles HP HP	20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3



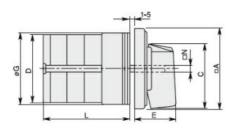
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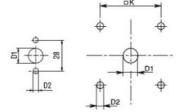
Operating temperature

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

	 _	
Resistance & Protection		
Frontal IP degree		IP40
Terminals IP degree		IP00

Dimensions

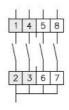


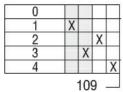


Standard drillings for 7GN125.
Drillings on request for 4 screws fixing (4V version).

Series						L Number of elements															
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	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



7GN12109U

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ETIM 8.0

EC001029 -Selector switch, complete