

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
· ·			switches
Product type designation General characteristics			7GN12
			51 - Changeover
Switching diagram			switch 1 pole
N° of elements			1
Maria Cara Cara			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 impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		ic v	
a	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			
ACT/ACZTA		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	220/2201	LAAZ	0.5
	220/230V 380/440V	kW kW	2.5 4
	500/690V	kW	5.5
Single-phase AC-3	333,3334		
V 1	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
	Cingle phase ACOOA	300/030 V	KVV	7.5
	Single-phase AC23A	4.4017		
		110V	kW	8.0
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational c	urrent in DC			
•	DC21A			
	202	48V	Α	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	A	` '
				10 (3)
		110V	Α	5 (3)
		220V	Α	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	5			
Terminals screw				M3
Tightening torque for	or terminals may		Nm	0.5
Conductor size	of terminals max		INIII	0.0
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
	One director size (IEO). Els III.	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
Machanicallifa		IVIAA		
Mechanical life			cycles	3x10 ⁶
UL technical data				
Motor power for dire				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	50
	 	600V	HP	40
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1

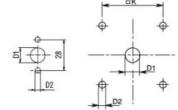


Dimensions

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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on .			
Frontal IP degree				IP40
Terminals IP degree				IP00

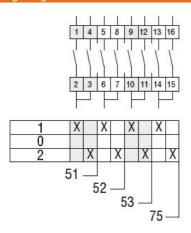
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Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions									L Number of elements											
	□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

EAC



7GN1251U

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UL

ETIM classification

ETIM 8.0 EC001105 - Off-load switch