

ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
Product type designation			switches 7GN12
General characteristics			7 GN 12
Ocheral characteristics			11 - 3-phase
Switching diagram			motor reversing
			switch
N° of elements			3
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
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	150/51		
	IEC/EN	A	16
De la contraction de la contra	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4	•	4.0
	10kA	A	16
	15kA	A	10
Date of about times assument lass	25kA	Α	10
Rated short time current Icw	1.	۸	200
Consult costs site :	1s	Α	200 10/5 mA/V
Conductivity Operational current to IEC/EN			10/5 MA/ V
Operational current le IEC/EN			
AC1/AC21A		۸	16
AC15		A	10
ACIS	110V	Α	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC	000/0001	- / (1.0
Three-phase AC-3			
Trilee pridate No o	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
g.2 F11000 / 10 0	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A			



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		220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	0: 1 1 10001	300/090 V	N V V	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cu	urrent in DC			
rtated operational of				
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
		440 V		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	A	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
	r tarminala may		Nim	0.5
Tightening torque for	terminais max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWC Florible apple	IVICIA	,,,,,,	· -
	AWG - Flexible cable	_		
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
	, ,	min	mm²	0.5
		111111		2.5
			mm²	
	Opendustes size (IEO) - Divide - Li	Max	mm²	2.0
	Conductor size (IEC) - Rigid cable	Max		
	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5
	Conductor size (IEC) - Rigid cable	Max		
Mechanical life	Conductor size (IEC) - Rigid cable	Max min	mm² mm²	0.5 2.5
	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5
UL technical data		Max min	mm² mm²	0.5 2.5
	ct-on-line control	Max min	mm² mm²	0.5 2.5
UL technical data		Max min Max	mm² mm² cycles	0.5 2.5 3x10 ⁶
UL technical data	ct-on-line control	Max min	mm² mm²	0.5 2.5
UL technical data	ct-on-line control	Max min Max	mm² mm² cycles	0.5 2.5 3x10 ⁶
UL technical data	ct-on-line control for three-phase motor	Max min Max	mm² mm² cycles	0.5 2.5 3x10 ⁶
UL technical data	ct-on-line control	Max min Max 120V 240V	mm² mm² cycles	0.5 2.5 3x10 ⁶
UL technical data	ct-on-line control for three-phase motor	Max min Max 120V 240V	mm² mm² cycles	0.5 2.5 3x10 ⁶ 1.5 3
UL technical data	ct-on-line control for three-phase motor	Max min Max 120V 240V	mm² mm² cycles	0.5 2.5 3x10 ⁶



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Temperature

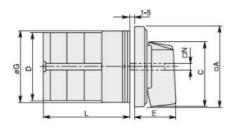
Operating temperature

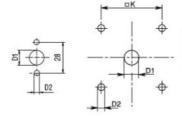
	min	°C	-25	
	max	°C	+55	
Storage temperature				,
	min	°C	-40	
	max	°C	+70	

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions

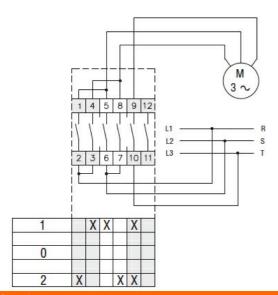




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Carias	Dimensions						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



7GN1211U

complete

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	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classificati	ion	
ETIM 8.0		EC001029 - Selector switch,
L 1 11V1 O.U		Selector switch,