

7GN12511U ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM



Product designation			Rotary cam
•			switches
Product type designation			7GN125
General characteristics			11 - 3-phase
Switching diagram			motor reversing switch
N° of elements			3
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	ULCOA	kV	6
Conventional free air thermal current Ith		IX V	0
	IEC/EN	А	125
	UL/CSA	А	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	125
	15kA	А	100
	25kA	A	100
	50kA	A	100
Rated short time current Icw	63kA	A	100
Rated short time current icw	1s	kA	2100
Conductivity	10	101	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	125
AC15			
	110V	А	40
	220/230V	А	28
	380/400V	A	15
	660/690V	A	5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Cingle phone AC 2			
Single-phase AC-3			
Single-phase AC-3	110V	kW	5

7GN12511U

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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		380/440V	kW	15
	Three-phase AC23A			
		220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	Single-phase AC23A			_
		110V	kW	5
		220/230V	kW	11
Detect on eaction of a	ment in DO	380/440V	kW	15
Rated operational cu				
	DC21A	40\/	^	105
		48V 60V	A	125
		60V 110V	A	80
		220V	A	10
	DC22A (palas in series)	2200	A	1.2
	DC23A (poles in series)	241/	۸	105 (1)
		24V 48V	A A	125 (1) 125 (2)
		48 V 60 V	A	125 (2) 125 (3)
		110V	A	. ,
		220V	A	50 (3) 20 (4)
	DC13	2200	A	20 (4)
	BC13	24V	А	125
		48V	A	100
		40V 60V	A	50
		110V	A	4
Power dissipation		1100	W	6.3
Mechanical features			vv	0.0
Terminals screw				M2X5
Tightening torque for	r terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	3 • • • • • • • • • •	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	50
Mechanical life			cycles	1X10⁵
UL technical data				
Motor power for dire	ct-on-line control			
	for three-phase motor			
		120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor			
	for single-phase motor	120V	HP	5
	for single-phase motor	120V 240V	HP HP	5 15

7GN12511U

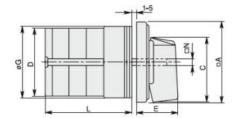


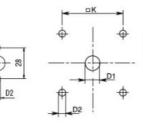
Ambient conditions

Dimensions

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			

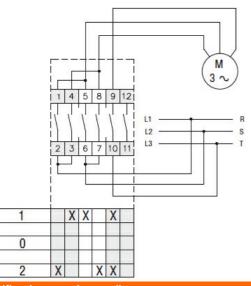




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	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

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	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates		
	EAC	
	UL	
ETIM classification	n	
ETIM 8.0		EC001105 - Off- load switch