

7GN12520U ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

Product designation				Rotary cam switches
Product type designat	ion			7GN125
General characteristic	S			
Switching diagram				20 - Dahlander motor 2-speed reversing switch
N° of elements				6
Mounting form				U - Front mounting with black handle
Contact characteristics				
Rated insulation voltag	ge Ui		V	CO0
		IEC/EN UL/CSA	V V	690 600
Rated impulse withsta	nd voltage Llimp	00/007	kV	6
Conventional free air t			ιτν	0
		IEC/EN	А	125
		UL/CSA	A	130
Rated operational volt	age		V	690
Rated operational imp			kV	6
Maximum fuse size for	r short-circuit protection In (gG)			
		10kA	А	125
		15kA	А	100
		25kA	А	100
		50kA	A	100
		63kA	A	100
Rated short time curre	ent Icw	1s	kA	2100
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A			
			A	125
	AC15			
		110V	A	40
		220/230V	A	28
		380/400V 660/690V	A	15 5
Rated operational pow	ver in AC	000/090 v	A	5
	Three-phase AC-3			
		220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
	Three-phase AC23A			
		220/230V	kW	30
		380/440V	kW	45
	Oingle share A000A	500/690V	kW	37
	Single-phase AC23A	44017	1-1.1.1	E
		110V	kW	5
		220/230V	kW	11

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		380/440V	kW	15
Rated operational cu	rrent in DC			
	DC21A			
		48V	Α	125
		60V	A	80
		110V	A	10
		220V	A	1.2
	DC23A (poles in series)	241/	^	105 (1)
		24V 48V	A	125 (1)
		48V 60V	A A	125 (2)
		110V	A	125 (3) 50 (3)
		220V	A	20 (4)
	DC13	2201	~	20 (4)
	Della	24V	А	125
		48V	A	100
		40V 60V	A	50
		110V	A	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for	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	1X10 ⁶
UL technical data				
Motor power for direc				
	for three-phase motor			
		120V	HP	15
		240V	HP	25
		480V	HP	50
	.	600V	HP	40
	for single-phase motor			_
		120V	HP	5
A mala i a matema a l'iti		240V	HP	15
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature		•••	25
		min	℃ ℃	-25
	Storogo tomporative	max	U	+55
	Storage temperature		°C	40
		min	°C	-40 +70
		max	U	±10

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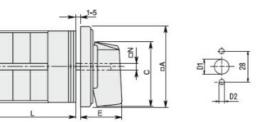
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Resistance & Protection

Frontal IP degree

Terminals IP degree

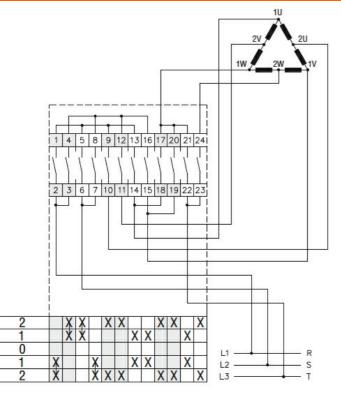
Dimensions



Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version). IP40 IP00

Series	Dimensions					L Number of elements															
Series	ΠA	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

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Certificates		
	EAC	
	UL	
ETIM classificat	on	
ETIM 8.0		EC001029 - Selector switch, complete

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