

# **7GN1220U** ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

			Rotary cam
Product designation			switches
Product type designation			7GN12
General characteristics			
Switching diagram			20 - Dahlander motor 2-speed reversing switch
N° of elements			6
Mounting form			U - Front mounting with black handle
Contact characteristics			Diack Handle
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	Α	16
	UL/CSA	<u>A</u>	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	А	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw	2010 (		
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15			
	110V	A	10
	220/230V	А	8
	380/400V	A	4
Detect energianel neuron in AC	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A	44017	1.1.1/	0.0
	110V 220/230V	kW kW	0.8 1.7
	220/230V 380/440V	kW	3
Rated operational current in DC	000/110/		-

Rated operational current in DC

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	DC21A			
		48V	А	12
		60V	A	12
		110V	A	4
		220V		
			A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	A	10 (1)
		48V	A	10 (2)
		60V	А	10 (3)
		110V	Α	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	ANO	12
	AWG - Flexible Cable		A.M.O	00
		min	AWG	20
		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
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data			eyelee	0,110
Motor power for direct-	on line control			
	for three-phase motor	4001/		4 5
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
			°C	
	Otomo no to ma orotuno	max	U	+55
	Storage temperature	-		10
		min	°C	-40
		max	°C	+70
Resistance & Protection	n			

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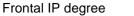
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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ENERGY AND AUTOMATION

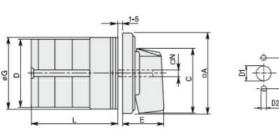
16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

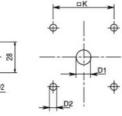






Dimensions

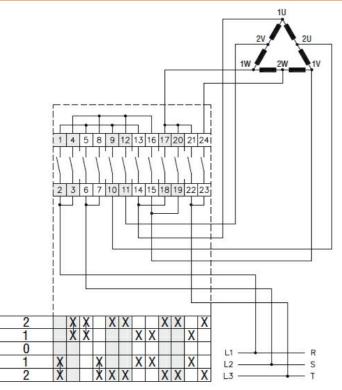




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions								L Number of elements												
Series	ΠA	С	ØD	ØD1	ØD2	Ε	ØG	□K	ΠN	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

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ETIM classif

ETIM 8.0

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	cCSAus	
	EAC	
	UL	
cation		
		EC001029 -

EC001029 -Selector switch, complete