



Product designation			Rotary cam switches
Product type designation			7GN32
General characteristics			101102
			13 - Dahlander
Switching diagram			motor control
			switch 1-0-2
N° of elements			4
			U - Front
Mounting form			mounting with black handle
Contact characteristics			DIACK NANCIE
Rated insulation voltage Ui			
Trated insulation voltage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	01,00,1	kV	6
Conventional free air thermal current Ith			•
	IEC/EN	А	32
	UL/CSA	А	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	32
	15kA	А	32
	25kA	А	32
	50kA	A	32
Rated short time current Icw			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
ACT/ACZTA		А	32
AC15		A	32
A013	110V	А	25
	220/230V	A	20
	380/400V	A	10
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC-3			
	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5

7GN3213U

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7GN3213U ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 32A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	18.5
	Single-phase AC23A			
		110V	kW	2.2
		220/230V	kW	4
Deted an enetienel en	ment in DO	380/440V	kW	7.5
Rated operational cu				
	DC21A		_	
		48V	A	32
		60V	A	32
		110V	А	6
		220V	А	0.9
	DC23A (poles in series)			
	··· /	24V	А	32 (1)
		48V	A	32 (2)
		48V 60V	A	32 (3)
		110V		
			A	15 (3)
		220V	A	12 (4)
	DC13			
		24V	A	32
		48V	А	25
		60V	А	16
		110V	А	3
		220V	А	0.5
Power dissipation			W	1.5
Mechanical features				
Mechanical features Terminals screw	terminale may			M4
Mechanical features Terminals screw Tightening torque for	terminals max		Nm	
Mechanical features Terminals screw				M4
Mechanical features Terminals screw Tightening torque for	terminals max AWG - Rigid cable		Nm	M4 1.2
Mechanical features Terminals screw Tightening torque for		min	Nm	M4 1.2 16
Mechanical features Terminals screw Tightening torque for		min Max	Nm	M4 1.2
Mechanical features Terminals screw Tightening torque for			Nm	M4 1.2 16
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable		Nm	M4 1.2 16
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min	Nm AWG AWG AWG	M4 1.2 16 8 16
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	Nm AWG AWG	M4 1.2 16 8
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG mm ²	M4 1.2 16 8 16 10 1.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm ² mm ²	M4 1.2 16 8 16 10 1.5 4
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ²	M4 1.2 16 8 16 10 1.5 4 1.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M4 1.2 16 8 16 10 1.5 4 1.5 6
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ²	M4 1.2 16 8 16 10 1.5 4 1.5
Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M4 1.2 16 8 16 10 1.5 4 1.5 6
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M4 1.2 16 8 16 10 1.5 4 1.5 6
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Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	Nm AWG AWG AWG AWG mm ² mm ² mm ² cycles	M4 1.2 16 8 16 10 1.5 4 1.5 6 5 5
Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M4 1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10
Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	Nm AWG AWG AWG AWG mm ² mm ² mm ² cycles	M4 1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15
Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M4 1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10
Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V 600V	Nm AWG AWG AWG mm ² mm ² mm ² cycles	M4 1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	Nm AWG AWG AWG AWG mm ² mm ² mm ² cycles	M4 1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15

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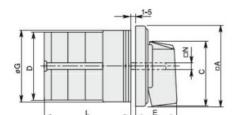


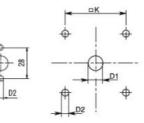
Ambient conditions

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

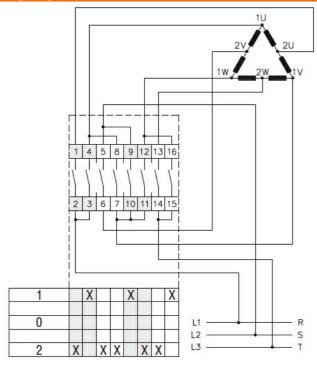




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

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

7GN3213U



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		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001105 - Off-

ETIM 8.0

EC001105 - Offload switch