

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN40
General Characteristics			13 - Dahlander
Switching diagram			motor control
			switch 1-0-2
N° of elements			4
			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			
	IEC/EN	Α	40
	UL/CSA	Α	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	40
	15kA	Α	40
	25kA	Α	40
	50kA	Α	40
	63kA	Α	40
Rated short time current lcw			1000
	1s	kA	1000
0.1.6%	60s	Α	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Λ	40
A C 4 F		A	40
AC15	440\/	٨	25
	110V	A	25
	220/230V 380/400V	A	22 12
	380/400V 660/690V	A	
Rated operational power in AC	000/0907	Α	2
Three-phase AC-3	220/230V	kW	8
	380/440V	kW	o 15
	500/690V	kW	15
Single-phase AC-3	300/090V	r.vv	10
Sillyle-phase AC-3	110V	kW	3
	1100	KVV	ა





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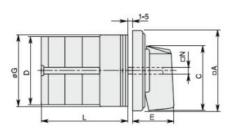
		220/230V	kW	6.5
		380/440V	kW	8
	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational cur	rrent in DC			
	DC21A			
	202	48V	Α	40
		60V	Α	40
		110V	A	6
		220V	A	0.9
	DC22A (notes in period)	220 V		0.9
	DC23A (poles in series)	24V	Α	40 (1)
		24 V 48 V		40 (1)
			A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	Α	12 (4)
	DC13		_	
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Terminals screw Tightening torque for	terminals max		Nm	M4 1.2
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max AWG - Rigid cable			
Terminals screw Tightening torque for		min	Nm AWG	
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		1.2
Terminals screw Tightening torque for			AWG	1.2
Terminals screw Tightening torque for	AWG - Rigid cable		AWG	1.2
Terminals screw Tightening torque for	AWG - Rigid cable	Max	AWG AWG	1.2 16 8
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	1.2 16 8
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	1.2 16 8
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10 1.5 6
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
Terminals screw Tightening torque for Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6
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 min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
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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	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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 ct-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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	min Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
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 ct-on-line control for three-phase motor	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶

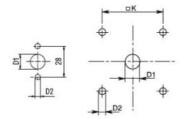


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		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	on			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				

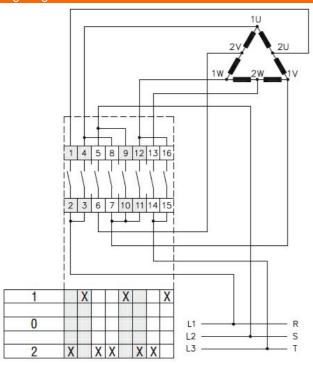




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series				Dir	nensi	ons				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







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Certifications and con	npliance	
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		
ETIM 8.0		EC001105 - Off- load switch