

# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Draduat designation				Enclosed rotary
Product designation				cam switch
Product type designat				7GN40
General characteristic Switching diagram	S			13 - Dahlander motor control switch 1-0-2
N° of elements				4
				P - Plastic
Mounting form				enclosure with black handle
Contact characteristic	s			
Rated insulation voltage	ge Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta	·		kV	6
Conventional free air t	thermal current Ith			
		IEC/EN	Α	40
-		UL/CSA	Α	50
Rated operational volt			V	480
Rated operational imp			kV	4
Maximum fuse size fo	r short-circuit protection In (gG)			
		10kA	Α	40
		15kA	Α	40
		25kA	Α	40
		50kA	Α	40
		63kA	A	40
Rated short time curre	ent Icw			4000
<u> </u>		1s	kA	1000
Conductivity	IFO/FN			10/5 mA/V
Operational current le				
	AC1/AC21A		۸	40
	A C 4 F		Α	40
	AC15	440\/	۸	0.5
		110V	A	25
		220/230V	A	22
		380/400V	A A	12 2
Pated apprational pay	wor in AC	660/690V	A	
Rated operational pov	Three-phase AC-3			
	Tillee-pilase AU-3	220/230V	kW	8
		380/440V	kW	o 15
		500/690V	kW	15
	Single-phase AC-3	300/030 (	IVVV	10
	ciligio priaco / to o	110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
	Three-phase AC23A	333, 3 7		
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6



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		380/440V	kW	11
Rated operational curr	rent in DC	300/440 V	KVV	
rated operational our	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	A	40
		48V	A	32
		60V	A	16
Danna dia dia atian		110V	A	3
Power dissipation  Mechanical features			W	2.0
Terminals screw				M4
Tightening torque for t	corminals may		Nm	1.2
Conductor size	eminas max		INIII	1.2
Conductor Size	AWG - Rigid cable			
	AWO - Nigid cable	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable	Wax	71110	
	ANTO TROMINIO GUARIO	min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			
	,	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct				
	for three-phase motor			_
		120V	HP	5
		240V	HP	10
		480V 600V	HP HP	20 20
	for single-phase motor	0007	ПГ	20
	for single-phase motor	120V	HP	2
		240V	HP	5
Ambient conditions		Z+0 V	1 11	
Temperature				
	Operating temperature			
	- I stand tarth states	min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

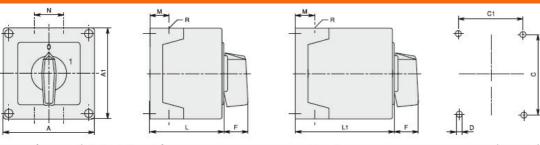
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## Resistance & Protection

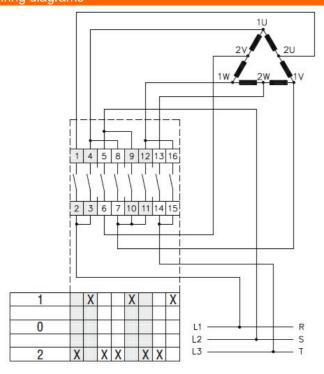
Frontal IP degree IP65
Terminals IP degree IP00

#### Dimensions



Series	Enclosure	Number o	of elements	Dimensions							Cable	Protection			
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25	1	1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6				00000		2000	100000				2007.075360.004.000000	04400-000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4							5000				31-11-0-0200000	38-38-38-38-38
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	30.4	00	4.5	32	21	39.3	00.0	119.5	47.5021	1100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												V1
7GN40		1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	173	140	112	0.0	32	21	00	04.3	110.3	2xPG11	11.02
7GN125		1	2							N.	L.	N.	N	i,	
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63		1 - 3	4 - 6	100	234	120	130	0.0	32	33	10	121	1/3	2xPG11	11 03
7GN125		1 - 2	3 - 4	4											

## Wiring diagrams



## Certifications and compliance

### Compliance



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### 7GN4013P

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IEC/EN/BS 60947-1 IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete