

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation Product type designation	on			Enclosed rotary cam switch 7GN25
General characteristics				
Switching diagram				19 - Dahlander motor control switch 0-1-2
N° of elements				4
Mounting form				P - Plastic enclosure with black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	Α	25
		UL/CSA	A	30
Rated operational volta			V	480
Rated operational impu	<u> </u>		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	25
		15kA	A	25
B + 1 1 + + + + + + + + + + + + + + + +		25kA	A	25
Rated short time curre	nt ICW	4		100
0 1 (1.)		1s	kA	400
Conductivity	IFO/FNI			10/5 mA/V
Operational current le				
	AC1/AC21A		۸	25
	AC15		A	25
	AC15	110V	Α	16
		220/230V	A	16 12
		380/400V	A	8
		660/690V	A	2
Rated operational pow	er in AC	000/030 V		
rated operational pow	Three-phase AC-3			
	Three phase 710 c	220/230V	kW	5.5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC-3			_
	5 1	110V	kW	1.5
		220/230V	kW	3
		380/440V	kW	5.5
	Three-phase AC23A			
		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational curre	ent in DC			



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	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)	220 V		0.7
	DOZOA (poles ili selles)	24V	Α	25 (1)
		48V	A	
		60V	A	25 (2)
				25 (3)
		110V	A	12 (3)
	B040	220V	A	10 (4)
	DC13	0.01		
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for te	erminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
	, C Tagaire	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	IVIOX	7,1110	10
	AWG - I lexible cable	min	AWG	20
		Max	AWG	12
	Openhistancia (IFO) Florible poble	IVIAX	AVVG	12
	Conductor size (IEC) - Flexible cable			0.5
		min	mm²	0.5
	0 1 (150) 5(1)	Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
	<u> </u>	120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
Tomporatoro	Operating temperature			
	oporating temperature	min	°C	-25
			°C	-25 +55
	Ctorogo tomporaturo	max	<u> </u>	TUU
	Storage temperature		۰.	40
		min	°C	-40
D		max	°C	+70
Resistance & Protection	on			

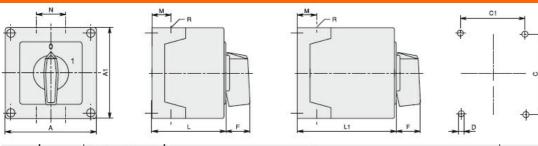
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Frontal IP degree IP65

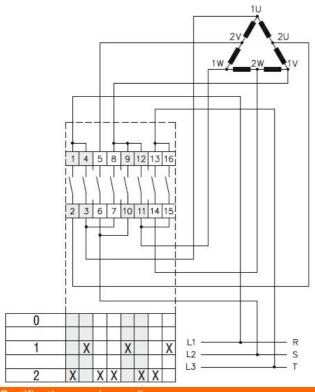
Terminals IP degree IP00

Dimensions



Series	Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	50.00	1000		10000	9800000	46250	10000	1000		1000000	200 12 12 12 12 12 12 12	1000000000
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												
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	39.5	00.0	113.5	4/1/021	11 03
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												191
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	04.0	110.5	2xPG11	11 00
7GN125		1	2												
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	1 - 3	4 - 6	100	234	120	130	0.0	52	33	10	121	1/3	2xPG11	11 00
7GN125		1-2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance



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7GN2519P

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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