

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 16A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary cam switch
Product type designation	on			7GN12
General characteristics				
Switching diagram				13 - Dahlander motor control switch 1-0-2
N° of elements				4
Mounting form				P25 - Plastic enclosure with red/yellow handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan	• •		kV	6
Conventional free air th	ermal current Ith			
		IEC/EN	Α	16
		UL/CSA	Α	15
Rated operational volta	ge		V	480
Rated operational impu	ilse voltage		kV	4
	short-circuit protection In (gG)			
	, , , , , ,	10kA	Α	16
		15kA	Α	10
		25kA	Α	10
Rated short time currer	nt Icw			_
		1s	kA	200
Conductivity				10/5 mA/V
Operational current le I	EC/EN			
operanonal content to .	AC1/AC21A			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Α	16
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	Α	4
		660/690V	Α	1.5
Rated operational power	er in AC	000,000	,,	
rated operational power	Three-phase AC-3			
	Times phase //e s	220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3	000,000;		
	Single phase 7.0 o	110V	kW	0.8
		220/230V	kW	1.5
		380/440V	kW	2.2
	Three-phase AC23A	000/440 V	1000	<u> </u>
	00 pila00 / (020/ (220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A	J00/090 V	IV V V	1.0
	Single-phase AUZSA	110V	kW	0.8
		220/230V	kW	0.8 1.7
		380/440V	kW	3
		J00/440 V	IX V V	

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Rated operational cu	irrent in DC			
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			0.20
	2020/ (poids in conce)	24V	Α	10 (1)
		48V	A	10 (1)
		60V	A	10 (2)
		110V	A	
		220V		5 (3)
	D040	2200	A	5 (4)
	DC13	0.437		4.0
		24V	A	12
		48V	A	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
Conductor 6/26	AWG - Rigid cable			
	AVVO Nigid cable	min	AWG	20
		Max	AWG	12
	ANAC Florible cable	IVIAX	AVVG	12
	AWG - Flexible cable		414/0	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 ⁶
UL technical data				
Motor power for direct	ct-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor	Z70 V	1 11	<u> </u>
	ioi siligie-pilase motol	120V	HP	0.5
		240V	HP	
Ambient conditions		24UV		1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

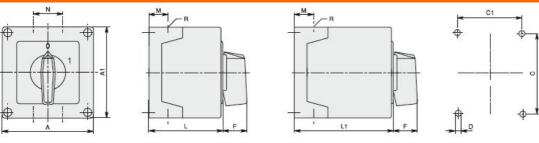
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Resistance & Protection

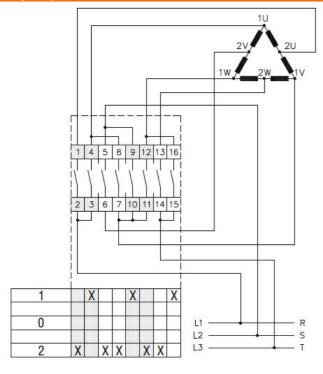
Frontal IP degree IP65
Terminals IP degree IP00

Dimensions



Series	Enclosure 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	0.000	14000					20000		10.27000000			A 4000000000
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												270
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	03	4.5	32	21	39.3	00.0	119.5	47.021	11.02
7GN40		1 - 2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												6.5
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	120	175	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	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	02	- 55	,,,	121	1/3	2xPG11	11 00
7GN125		1-2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance



7GN1213P25

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

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

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ETIM 8.0

EC001029 -Selector switch, complete