

## ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 32A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary
-				cam switch
Product type designation  General characteristics				7GN32
Ocheral characteristics	,			19 - Dahlander
Switching diagram				motor control switch 0-1-2
N° of elements				4
Mounting form				P25 - Plastic enclosure with red/yellow handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
Datad impulse withster	ad voltage Llima	UL/CSA	V kV	600
Rated impulse withstar Conventional free air th			KV	0
Conventional free all ti	iennai curient iui	IEC/EN	Α	32
		UL/CSA	A	40
Rated operational volta	age	02/00/1	V	480
Rated operational impu			kV	4
	short-circuit protection In (gG)			<u> </u>
	,	10kA	Α	32
		15kA	Α	32
		25kA	Α	32
		50kA	Α	32
Rated short time curre	nt Icw			
		1s	Α	800
Conductivity	150/5N			10/5 mA/V
Operational current le				
	AC1/AC21A		۸	20
	AC15		A	32
	AC13	110V	Α	25
		220/230V	Α	20
		380/400V	Α	10
		660/690V	Α	2
Rated operational pow	er in AC			
	Three-phase AC-3			
		220/230V	kW	7.5
		380/440V	kW	11
		500/690V	kW	
	Single-phase AC-3	440)/		0.0
		110V	kW	2.2
		220/230V 380/440V	kW kW	4 6.5
	Three-phase AC23A	300/4401	KVV	0.5
	Tillee-pilase AOZOA	220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	18.5
	Single-phase AC23A	200,000		
	- ·	110V	kW	2.2
		220/230V	kW	4



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		380/440V	kW	7.5
Rated operational curr	rent in DC			
·	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	32 (1)
		48V	Α	32 (2)
		60V	Α	32 (3)
		110V	Α	15 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	32
		48V	Α	25
		60V	Α	16
		110V	Α	3
		220V	Α	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for t	erminals max		Nm	1.2
Conductor size				
Conductor of	AWG - Rigid cable			
	7.TTC Trigid dabio	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable	Wax	71110	
	AVVG T TOXIDIC CADIC	min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	IVIOX	7,,,,	10
	Conductor size (IEC) Trickible cable	min	mm²	1.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	IVICA		
	Conductor size (IEO) - Rigid cable		2	
		min	mm⁴	15
		min May	mm²	1.5
Machanical life		min Max	mm²	6
Mechanical life				
UL technical data	-on-line control		mm²	6
			mm²	6
UL technical data	r-on-line control for three-phase motor	Max	mm² cycles	6 5x10 <sup>6</sup>
UL technical data		Max 120V	mm² cycles	6 5x10 <sup>6</sup>
UL technical data		120V 240V	mm² cycles  HP HP	5 10
UL technical data		120V 240V 480V	mm² cycles  HP HP HP	5 10 15
UL technical data	for three-phase motor	120V 240V	mm² cycles  HP HP	5 10
UL technical data		120V 240V 480V 600V	mm² cycles  HP HP HP HP	5 10 15 15
UL technical data	for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	5 10 15 15
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	5 10 15 15
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	5 10 15 15
UL technical data Motor power for direct	for three-phase motor  for single-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	5 10 15 15
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	5 10 15 15 2 5
UL technical data Motor power for direct	for three-phase motor  for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	6 5x10 <sup>6</sup> 5 10 15 15  2 5
UL technical data Motor power for direct	for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	5 10 15 15 2 5
UL technical data Motor power for direct	for three-phase motor  for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP C°C	6 5x10 <sup>6</sup> 5 10 15 15 2 5
UL technical data Motor power for direct	for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	6 5x10 <sup>6</sup> 5 10 15 15  2 5

IP00

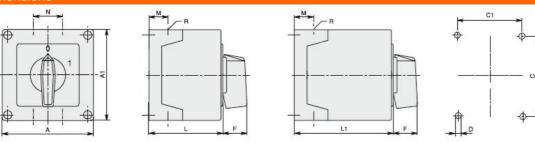
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Frontal IP degree
Terminals IP degree

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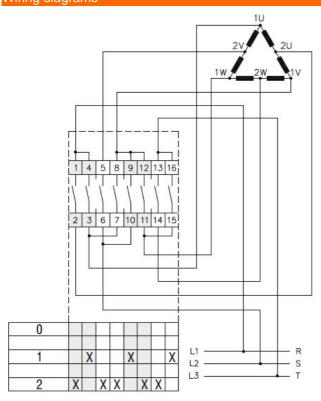
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP65

## **Dimensions**



Corios	Enclosure	Number o	f elements	Dimensions						ule	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		1-2	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		19900		.0.29			2000	0000			100000000000000000000000000000000000000	48000000
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	39.3	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												
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	02	21	00	04.0	110.0	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	204	120	130	0.0	J.	- 55	,,,	,21	,,,,	2xPG11	11 30
7GN125		1-2	3 - 4												

## Wiring diagrams







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Certifications and com	pliance	
Compliance		
	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