

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

Product designation			Enclosed rotary
Product type designation			cam switch 7GN32
General characteristics			7 GN32
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 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	32
	UL/CSA	Α	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	32
	15kA	Α	32
	25kA	Α	32
	50kA	Α	32
Rated short time current lcw			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	32
AC15		_	
	110V	Α	25
	220/230V	Α	20
	380/400V	Α	10
But I constituted as a six AO	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	000/0001	1.147	7.5
	220/230V	kW	7.5
	380/440V	kW	11
Cingle whose AC 2	500/690V	kW	
Single-phase AC-3	440\/	12101	2.2
	110V 220/230V	kW kW	2.2 4
	380/440V	kW	4 6.5
Three-phase AC23A	300/44UV	V A A	0.0
Tillee-pilase ACZSA	220/230V	kW	8
	380/440V	kW	o 15
	500/440V 500/690V	kW	18.5
Single-phase AC23A	300/030 V	17.4.4	10.0
Sillyle-pliase AOZOA	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	7.5
	300/ T T O V	17 A A	1.0



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Rated operational current in DC DC21A  48V A 32 60V A 32 110V A 6	
48V A 32 60V A 32	
60V A 32	
	2
110\/	2
110V A 6	
	9
DC23A (poles in series)	
24V A 32	2 (1)
48V A 32	2 (2)
60V A 32	2 (3)
110V A 15	5 (3)
220V A 12	2 (4)
DC13	
24V A 32	2
48V A 25	5
60V A 16	5
110V A 3	
220V A 0.	5
Power dissipation W 1.	5
Mechanical features	
Terminals screw M	4
Tightening torque for terminals max Nm 1.	2
Conductor size	
AWG - Rigid cable	
min AWG 16	6
Max AWG 8	
AWG - Flexible cable	
min AWG 16	6
Max AWG 10	
Conductor size (IEC) - Flexible cable	
min mm² 1.	5
Max mm <sup>2</sup> 4	
Conductor size (IEC) - Rigid cable	
min mm² 1.	5
Max mm <sup>2</sup> 6	
	:10 <sup>6</sup>
JL technical data	_
Motor power for direct-on-line control	
VIOLOI DOMOI IUI UII CUI III IU CUI III III III III	
·	
for three-phase motor	)
for three-phase motor  120V HP 5	
for three-phase motor  120V HP 5 240V HP 10	
for three-phase motor  120V HP 5 240V HP 10 480V HP 15	5
for three-phase motor  120V HP 5 240V HP 10 480V HP 15 600V HP 15	5
for three-phase motor  120V HP 5 240V HP 10 480V HP 15 600V HP 15	5
for three-phase motor  120V HP 5 240V HP 10 480V HP 15 600V HP 15 for single-phase motor  120V HP 2	5
for three-phase motor  120V HP 5 240V HP 10 480V HP 15 600V HP 15 for single-phase motor  120V HP 2 240V HP 5	5
for three-phase motor    120V	5
for three-phase motor  120V HP 5 240V HP 10 480V HP 15 600V HP 15 for single-phase motor  120V HP 2 240V HP 5  Ambient conditions  Temperature  Operating temperature  min °C -2 max °C +5	5
for three-phase motor    120V	5 5 5 5 5 5
for three-phase motor  120V HP 5 240V HP 10 480V HP 15 600V HP 15 for single-phase motor  120V HP 2 240V HP 5  Ambient conditions  Temperature  Operating temperature  min °C -2 max °C +5	5 5 5 5 5 5 5 0

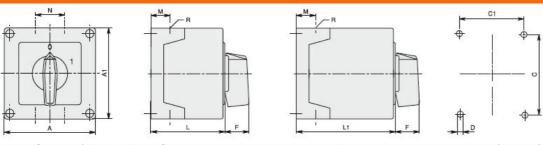
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### Resistance & Protection

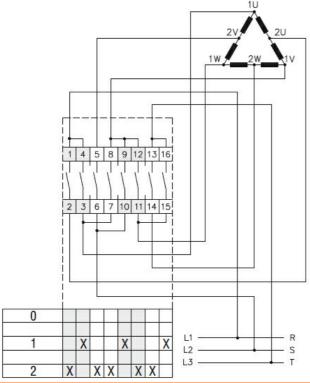
Frontal IP degree IP65
Terminals IP degree IP00

#### **Dimensions**



Series	Enclosure size	Number o	of elements	Dimensions								Cable	Protection		
		L	L1	Α	A1	С	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	0		0.00	100000	49400000	2000	100000				200000000000000000000000000000000000000	100000000000000000000000000000000000000
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							375.55					3100000000
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	90.4	00	4.5	32	21	39.5	00.0	119.5	4XFG21	11-00
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	123	1/3	140	112	5.5	32	21	00	04.3	110.5	2xPG11	11-00
7GN125		1	2							N.	L.	N.	N	L.	
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	190	5.5	32	35	10	121	1/5	2xPG11	11.00
7GN125		1-2	3 - 4		_										

### Wiring diagrams



#### Certifications and compliance



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#### 7GN3219P

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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