

# ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 32A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product type designation 7GN32  General characteristics  Switching diagram 13 - Dahlander motor control switch 1-0-2  N° of elements 4  Mounting form O - Rear mounting with black handle  Contact characteristics	Product designation			Rotary cam
Switching diagram   13 - Dahlander motor control switch 1-0-2 witch 1-0-2 wi	•			
Switching diagram  Not of elements  Not of elements  Note thempty  Note				7 GN32
Mounting form	Switching diagram			motor control
Mounting form   Mounting with black handle   Mounting form	N° of elements			
Rated insulation voltage Ui	Mounting form			mounting with
IEC/EN   V   600   OUL/CSA   A   40   OUL/	Contact characteristics			
Number   N	Rated insulation voltage Ui			
Rated impulse withstand voltage Uimp				
Conventional free air thermal current lth		UL/CSA		
IEC/EN			kV	6
Rated operational voltage   V   480	Conventional free air thermal current Ith			
Rated operational voltage			Α	
Rated operational impulse voltage  Maximum fuse size for short-circuit protection In (gG)  10kA A 32 15kA A 32 25kA A 32 25kA A 32 50kA A 32  Rated short time current Icw  1s kA 800  Conductivity  10/5 mA/V  Operational current Ie IEC/EN  AC1/AC21A  A 32  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 11  Single-phase AC23A  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15		UL/CSA		
Maximum fuse size for short-circuit protection In (gG)  10kA A 32 15kA A 32 25kA A 32 50kA A 32  Rated short time current lcw  1s kA 800  Conductivity  1s kA 800  Conductivity  1s kA 800  Conductivity  AC1/AC21A  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC-3  110V kW 6.5  Three-phase AC-3A  220/230V kW 4 380/440V kW 15 500/690V kW 18.5				
10kA			kV	4
15kA   A   32   25kA   A   32   A   32	Maximum fuse size for short-circuit protection In (gG)			
Rated short time current lcw				
Rated short time current low				
Rated short time current lcw				
1s		50kA	A	32
Conductivity	Rated short time current Icw			
Operational current le IEC/EN		1s	kA	
AC1/AC21A  AC15  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 8 380/440V kW 15 500/690V kW 18.5				10/5 mA/V
A 32  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 18.5  Single-phase AC23A				
AC15    110V	ACT/ACZTA		۸	22
110V	AC15		A	32
220/230V	ACIS	110\/	۸	25
Rated operational power in AC   Three-phase AC-3   220/230V   kW   7.5   380/440V   kW   11   500/690V   kW   11   11   11   11   11   12   12   1				
Rated operational power in AC Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 8 380/440V kW 15 500/690V kW 18.5				
Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 18.5				
Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 8 380/440V kW 15 500/690V kW 18.5	Rated operational power in AC	000/030 \$		
220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 8 380/440V kW 15 500/690V kW 18.5				
380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4 220/230V kW 4	oo piidoo ii o	220/230V	kW	7.5
Single-phase AC-3				
Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4				
110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4	Single-phase AC-3			
220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4	<b>3</b> - <b>1</b>	110V	kW	2.2
380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4				
Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4				
220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4	Three-phase AC23A			
500/690V kW 18.5  Single-phase AC23A  110V kW 2.2 220/230V kW 4	•	220/230V	kW	8
Single-phase AC23A  110V kW 2.2 220/230V kW 4			kW	15
110V kW 2.2 220/230V kW 4		500/690V	kW	18.5
220/230V kW 4	Single-phase AC23A			
380/440V kW 7.5				
		380/440V	kW	7.5

**ENERGY AND AUTOMATION** 

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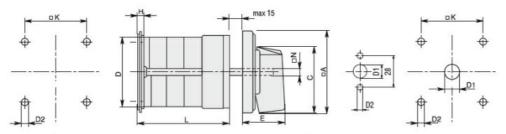
Rated operational cu				
	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	32 (1)
		48V	Α	32 (2)
		60V	Α	32 (3)
		110V	Α	15 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	32
		48V	Α	25
		60V	Α	16
		110V	Α	3
		220V	Α	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for	r terminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			
		min	mm²	1.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	6
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire	ct-on-line control			
	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			
	- F-2-2	min	°C	-25
		max	°C	+55
	Storage temperature	max		
	C.orago tomporaturo	min	°C	-40
		min max	°C	+70

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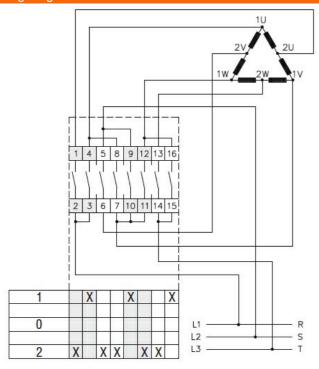
# Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

# Dimensions



Series	Dimensions								L Number of elements											
Series	□A	С	ØD	ØD2	Е	Ξ	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

#### Wiring diagrams



## Certifications and compliance

## Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

#### Certificates



### 7GN3213O

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cCSAus	
EAC	
UL	

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete