

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Droduct designation			Rotary cam
Product designation			switches
Product type designation General characteristics			7GN25
General characteristics			19 - Dahlander
Switching diagram			motor control switch 0-1-2
N° of elements			4
Mounting form			O - Rear mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
B + 11	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	۸	0.5
	IEC/EN UL/CSA	A A	25 30
Rated operational voltage	OLICOA		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		100	
	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current Icw			
	1s	Α	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		_	
1015		Α	25
AC15	440)/	۸	4.0
	110V 220/230V	A A	16 12
	380/400V	A	8
	660/690V	Α	2
Rated operational power in AC	000/0001	- , ,	
Three-phase AC-3			
·	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
	110V	kW	1.5
	220/230V	kW	3
Three phase ACOOA	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

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Mechanical features					
ABV	Rated operational cu	urrent in DC			
BOV		DC21A			
110V				Α	
DC23A (poles in series)					
DC23A (poles in series)					
24V			220V	Α	0.7
ABV		DC23A (poles in series)	201		07 (4)
BOUY					
1100					
DC13					
DC13					
24V		DC13	220 V		10 (4)
ABV		D013	24\/	Α	25
Conductor size (IEC) - Flexible cable Max					
110V					
Province 150 1.1					
Power dissipation W 1.1					
Machanical features	Power dissipation			W	
AWG - Rigid cable	Mechanical features				
AWG - Rigid cable Max	Terminals screw				M3.5
AWG - Rigid cable min		r terminals max		Nm	0.8
Max AWG 20 Max AWG 10 AWG Flexible cable	Conductor size				
Max AWG 10 AWG - Flexible cable min AWG 20 Max AWG 12 Max AWG 12 Max AWG 12 Max Mm² 4 Max Max Max Max Max Ma		AWG - Rigid cable			
AWG - Flexible cable min AWG 20 Max AWG 12 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 4 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 4 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 4 Mechanical life cycles 5x10° JL 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 120V HP 1.5 240V HP 3 240V HP 3 Ambient conditions Temperature min °C -25 max °C +55 Storage temperature min °C -40					
Max			Max	AWG	10
Max		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable					
Max min mm² 0.5 Max mm² 4 Max mm² 4		One division size (IEO). Flavible cable	Max	AWG	12
Max mm² 4 Max mm² 4		Conductor size (IEC) - Flexible cable		· 2	0.5
Conductor size (IEC) - Rigid cable					
Max min mm² 0.5 Max mm² 4 Mechanical life cycles 5x106		Conductor size (IEC) - Pigid cable	IVIAX	111111	4
Mechanical life cycles 5x10° Max mm² 4 Mechanical life cycles 5x10° Motor power for direct-on-line control for three-phase motor		Conductor Size (IEC) - Nigia cable	min	mm²	0.5
Mechanical life cycles 5x106 JL 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 15 120V HP 1.5 240V HP 3 3 Ambient conditions Temperature Operating temperature min °C -25 25					
## Discrete Control Motor power for direct-on-line control 120V	Mechanical life		IVICA		
Motor power for direct-on-line control for three-phase motor 120V				0,0.00	0,710
for three-phase motor 120V		ct-on-line control			
120V	•				
240V		•	120V	HP	3
600V HP 15			240V	HP	
for single-phase motor 120V HP 1.5 240V HP 3 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
120V			600V	HP	15
240V HP 3 Ambient conditions Temperature		for single-phase motor			
Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40			240V	HP	3
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
min °C -25 max °C +55 Storage temperature min °C -40	l emperature				
Storage temperature max °C +55 min °C -40		Operating temperature		2.2	0.5
Storage temperature min °C -40					
min °C -40		01	max	,C	+55
		Storage temperature		°C	40
max C +/0					
			IIIdX	C	+/U

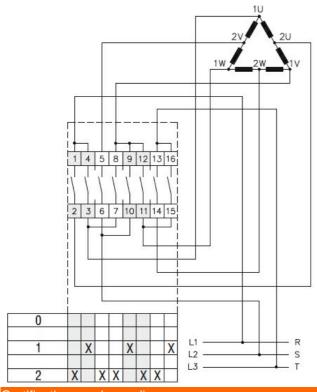
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Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00 **Dimensions**

Carias	Dimensions								L Number of elements											
Series	□A	C	ØD	ØD2	Е	Н	□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



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7GN2519O

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Certificates	
	cCSAus
	EAC
	UL
ETIM classification	

ETIM 8.0

EC001029 -Selector switch, complete