

## **7GN63200** ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 63A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

				Poton, com
Product designation				Rotary cam switches
Product type designation	n			7GN63
General characteristics				00 Dallas las
Switching diagram				20 - Dahlander motor 2-speed reversing switch
N° of elements				6
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltage	Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand			kV	6
Conventional free air the	ermal current Ith			
		IEC/EN	A	63
Deted as set is a locality		UL/CSA	A V	60
Rated operational voltage				480
Rated operational impul	-		kV	4
Maximum ruse size for s	hort-circuit protection In (gG)	10kA	А	63
		15kA	A	63
		25kA	A	63
		50kA	A	63
		63kA	A	63
Rated short time current	Icw			
		1s	kA	1600
Conductivity				10/5 mA/V
Operational current le IE	EC/EN			
	AC1/AC21A			
			A	63
	AC15			
		110V	A	32
		220/230V	A	25
		380/400V 660/690V	A	15
Rated operational power	r in AC	000/090 v	A	4
	Three-phase AC-3			
		220/230V	kW	11
		380/440V	kW	18.5
		500/690V	kW	18.5
	Single-phase AC-3			
		110V	kW	3.7
		220/230V	kW	6.5
		380/440V	kW	11.5
	Three-phase AC23A			
		220/230V	kW	12.5
		380/440V	kW	30
	Single phase ACCCA	500/690V	kW	30
	Single-phase AC23A	1101/	L\\/	27
		110V 220/230V	kW kW	3.7 7.5
		220/230V	ĸvv	7.5

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		380/440V	kW	12.5
Rated operational cu				
	DC21A	(0) (		
		48V 60V	A	63 50
		110V	A A	50 8
		220V	A	o 1
	DC23A (poles in series)	2201	~	1
		24V	А	50 (1)
		48V	A	50 (2)
		60V	A	50 (3)
		110V	А	25 (3)
		220V	А	15 (4)
	DC13			
		24V	А	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			4.4
		min	AWG	14
	Conductor size (IEC) - Flexible cable	Max	AWG	8
	Conductor Size (IEC) - Flexible cable	min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable	IVICA		10
		min	mm²	2.5
		Max	mm²	16
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			ý	
Motor power for direc	ct-on-line control			
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			
		120V	HP	3
A mate is not set of the		240V	HP	10
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature		°C	25
		min	℃ ℃	-25 +55
	Storago tomporaturo	max	U	<del>1</del> 00
	Storage temperature	min	°C	-40
		max	°C	-40 +70
		max	0	

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IP40 IP00

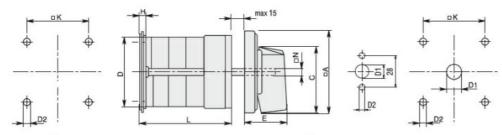
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# Resistance & Protection

Frontal IP degree

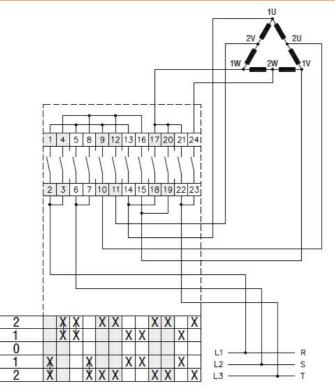
Terminals IP degree

Dimensions



Carias	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	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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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classificatior		
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete