

## **7GN40190** ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

5				Rotary cam
Product designation				switches
Product type designati				7GN40
General characteristics	S			19 - Dahlander
Switching diagram				motor control switch 0-1-2
N° of elements				4
Mounting form				O - Rear mounting with black handle
Contact characteristics	3			
Rated insulation voltag	je Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air th	nermal current Ith		۸	40
		IEC/EN	A	40 50
Rated operational volta	220	UL/CSA	A V	480
Rated operational imp	-		kV	480
	r short-circuit protection In (gG)		κν	7
	short broad protection in (gC)	10kA	А	40
		15kA	A	40
		25kA	A	40
		50kA	А	40
		63kA	А	40
Rated short time curre	nt Icw	1s	kA	1000
Conductivity		13	IV-1	10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			А	40
	AC15			
		110V	А	25
		220/230V	А	22
		380/400V	А	12
		660/690V	Α	2
Rated operational pow				
	Three-phase AC-3	000/0001	1.1.1/	0
		220/230V 380/440V	kW kW	8 15
		500/690V	kW	15
	Single-phase AC-3	300/0301		10
		110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			0
		110V	kW	3
		220/230V	kW	6

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		380/440V	kW	11
Rated operational cu				
	DC21A	101/		10
		48V	A	40
		60V	A	40
		110V 220V	A A	6 0.9
	DC23A (poles in series)	2200	A	0.9
	DCZ3A (poles in series)	24V	А	40 (1)
		48V	A	40 (2)
		40V 60V	A	40 (2)
		110V	A	20 (3)
		220V	A	12 (4)
	DC13			( )
		24V	А	40
		48V	A	32
		60V	А	16
		110V	А	3
Power dissipation			W	2.0
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	6
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire				
	for three-phase motor	1001		-
		120V	HP	5
		240V	HP	10
		480V	HP	20
	for single phase meter	600V	HP	20
	for single-phase motor	4001/		0
		120V 240V	HP HP	2 5
Ambient conditions		240 V	ΠF	5
Temperature				
romporature	Operating temperature			
	Operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	Πάλ	0	100
	otorage temperature	min	°C	-40
		max	°C	+70
		max	<u> </u>	

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IP40 IP00

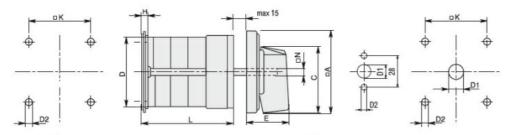
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# Resistance & Protection

Frontal IP degree

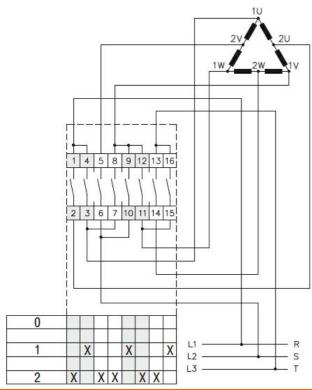
Terminals IP degree

Dimensions



Series	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 classification		
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete