

## **7GN2019P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation			Enclosed rotary
Product type designation			cam switch 7GN20
General characteristics			701120
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	٨	20
	UL/CSA	A A	20 20
Rated operational voltage	01/03A	X	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			•
	10kA	А	20
	15kA	А	16
	25kA	А	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
1015		A	20
AC15	110\/	٨	10
	110V 220/230V	A A	10 8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC	000,0001		
Three-phase AC-3			
·	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A	000/0001	1-1.1.1	F
	220/230V 380/440V	kW kW	5
	380/440V 500/690V	kvv kW	7.5 7.5
Single-phase AC23A	200/0907	N V V	1.0
ongie-priase AozoA	110V	kW	0.8
	220/230V	kW	2.5
			2.0

Rated operational current in DC

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ENERGY AND AUTOMATION

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	DC21A			
		48V	А	20
		60V	А	20
		110V	A	4
		220V	A	4 0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	Α	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
	5010	24V	А	20
		24V 48V		
			A	16
		60V	A	12
		110V	Α	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals may		Nm	0.5
				0.0
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Ora durtas sina (IEO) - Disid sable	IVIAX	111111	2.0
	Conductor size (IEC) - Rigid cable		2	- <b>-</b>
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>e</sup>
UL technical data				
Motor power for direc	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
	eperating temperature	min	°C	-25
				20
				. 55
		max	°C	+55
	Storage temperature	max	°C	
	Storage temperature			+55 -40

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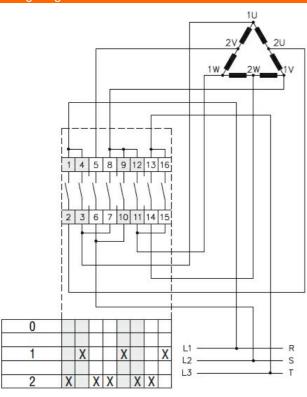
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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°C +70 max Resistance & Protection Frontal IP degree IP65 Terminals IP degree **IP00** Dimensions Ν C1 Ð 0 Φ Œ -€ L1 Cable entry Number of elements Dimensions Enclosure Protection degree Series size L1 A A1 С C1 D F Μ Ν L1 1 L 7GN12 75x75 1-2 3 - 4 7GN20 1-2 3-4 75 75 50 64 4.5 19 14 28 57.5 79.8 4xPG13.5 **IP65** 2 - 3 7GN25 1 7GN12 1-3 4 - 6 90x90 7GN20 1-3 4 - 6 3 - 4 90 90 79 63 30 98.3 4xPG16 IP65 7GN25 1-2 4.5 25 19 71.3 3-4 7GN32 1-2 7GN40 1 2 - 3 7GN12 110x110 1-4 5 - 8 1-4 7GN20 5 - 8 7GN25 1-3 4 - 5 110 **IP65** 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 7GN32 1-3 4 - 5 7GN40 1-2 3 - 5 7GN63 1-2 3-4 7GN32 125x175 1 - 3 4 - 5 7GN40 1-2 4xPG21 3 - 4 125 175 146 112 32 21 68 84.3 118.3 IP65 5.5 2xPG11 3 - 4 7GN63 1-2 7GN125 2 1 7GN32 180x254 1-5 6 - 8 7GN40 4xPG29 1-4 5 - 7 180 254 120 190 5.5 32 35 76 121 175 IP65 7GN63 2xPG11 1-3 4 - 6 7GN125 1-2 3-4

Wiring diagrams





Certifications and compliance			
Compliance			
	IEC/EN/BS 60947-1		
	IEC/EN/BS 60947-3		
	IEC/EN/BS 60947-5-1		
Certificates			
	EAC		
ETIM classification	on		
		EC001029 -	
ETIM 8.0		Selector switch, complete	