

## **7GN2019P25** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary cam switch
Product type designat	ion			7GN20
General characteristic				
Switching diagram				19 - Dahlander motor control switch 0-1-2
N° of elements				4
Mounting form				P25 - Plastic enclosure with red/yellow handle
Contact characteristics				
Rated insulation voltag	je Ui			
		IEC/EN	V	690
Deted in a with sta	a de calta da la livera	UL/CSA	V	600
Rated impulse withsta Conventional free air th			kV	6
Conventional free all ti	nermai current itri	IEC/EN	А	20
		UL/CSA	A	20
Rated operational volt	ade	02,00,1	V	480
Rated operational imp			kV	4
	r short-circuit protection In (gG)			
		10kA	А	20
		15kA	А	16
		25kA	Α	16
Rated short time curre	nt Icw			
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le	AC1/AC21A			
	ACT/ACZTA		А	20
	AC15		7.	20
		110V	А	10
		220/230V	А	8
		380/400V	А	6
		660/690V	Α	1.5
Rated operational pow				
	Three-phase AC-3			2
		220/230V	kW	3
		380/440V 500/690V	kW kW	5.5 5.5
	Single-phase AC-3	000/0001		0.0
		110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A			
		220/230V	kW	5
		380/440V	kW	7.5
	Cincle above ACO24	500/690V	kW	7.5
	Single-phase AC23A	44017	L/\//	0.9
		110V 220/230V	kW kW	0.8 2.5
		380/440V	kW	3.7
Rated operational curr	ent in DC		-	,

Rated operational current in DC

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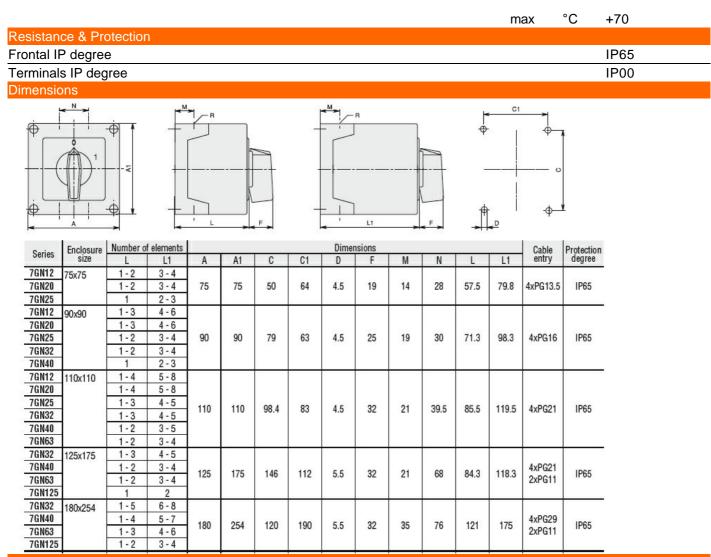
	50044			
	DC21A	401/	٨	00
		48V	A	20
		60V	A	20
		110V	A	4
		220V 440V	A A	0.6 0.25
	DC23A (poles in series)	440 V	~	0.23
	DOZOA (poles in series)	24V	А	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable		A \ A \ O	00
		min	AWG	20
	Conductor size (IEC) - Flexible cable	Max	AWG	14
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	Max		2.0
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			ý	
Motor power for direct-	on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		480V 600V	HP HP	7.5 10
	for single-phase motor	600V	HP	10
	for single-phase motor	600V 120V	HP HP	10 0.75
	for single-phase motor	600V	HP	10
Ambient conditions	for single-phase motor	600V 120V	HP HP	10 0.75
Ambient conditions Temperature		600V 120V	HP HP	10 0.75
	for single-phase motor Operating temperature	600V 120V 240V	HP HP HP	10 0.75 2
		600V 120V 240V min	HP HP HP °C	10 0.75 2 -25
	Operating temperature	600V 120V 240V	HP HP HP	10 0.75 2
		600V 120V 240V min	HP HP HP °C	10 0.75 2 -25

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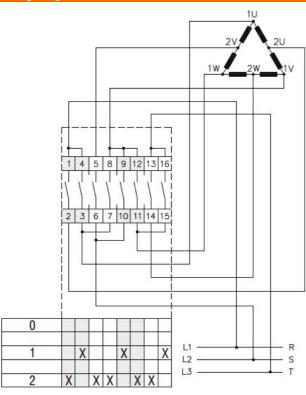
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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Wiring diagrams





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complete

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

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