

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

Product designation  Product type designation	on			Enclosed rotary cam switch 7GN20
General characteristics				
Switching diagram				13 - Dahlander motor control switch 1-0-2
N° of elements				4
Mounting form				P25 - Plastic enclosure with red/yellow handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar	·		kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	A	20
Data Lancardon de la lor		UL/CSA	A	20
Rated operational volta			V	480
Rated operational impu	<u> </u>		kV	4
Maximum ruse size for	short-circuit protection In (gG)	10kA	۸	20
		15kA	A A	16
		25kA	A	16
Rated short time curre	nt Icw	2010 (		10
rated short lime same		1s	kA	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	20
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	A	6
Dated aparational nav	or in AC	660/690V	Α	1.5
Rated operational pow	Three-phase AC-3			
	Tillee-pilase AC-3	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	5.5
	Single-phase AC-3			
	3 1	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
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
Dated aparational access	ant in DC	380/440V	kW	3.7
Rated operational curre	HILIII DC			



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	D0044			
	DC21A	4017	۸	00
		48V	A	20
		60V	A	20
		110V	A	4
		220V 440V	A A	0.6 0.25
	DC22 A (polos in porios)	440 V	A	0.23
	DC23A (poles in series)	24V	۸	20 (1)
			A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	DO40	220V	Α	8 (4)
	DC13	0.41.7	Δ.	00
		24V	A	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	rminals max		Nm	0.5
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		7	
	Contactor of the (120) Troxible capit	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVICA	111111	2.0
	Conductor Size (ILO) - Migid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAX		5x10 <sup>6</sup>
UL technical data			cycles	53.10
Motor power for direct-	on-line control			
wotor power for direct-				
	for three-phase motor	120\/	UП	1 5
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
	for single-phase motor	120V	HP	0.75
	for single-phase motor	120V 240V	HP HP	0.75 2
Ambient conditions	for single-phase motor			
Ambient conditions Temperature				
	Operating temperature	240V	HP	2
			HP °C	-25
	Operating temperature	240V	HP	2
		240V min	°C °C	-25 +55
	Operating temperature	240V min	HP °C	-25

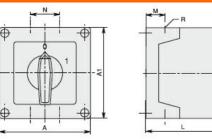
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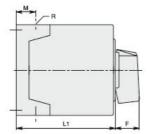
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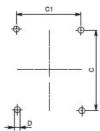
max °C +70

	 _	
Resistance & Protection		
Frontal IP degree		IP65
Terminals IP degree		IP00

## **Dimensions**

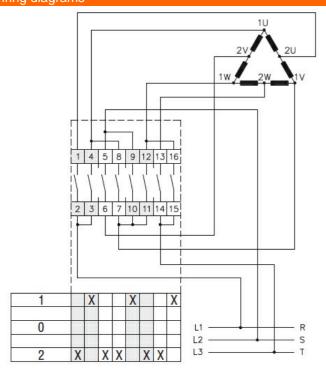






Series	Enclosure	Number o	f elements	Dimensions									Cable	Protection	
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	00.000		0.000	100000	10000000	2000	100000				200000000000000000000000000000000000000	100000000000000000000000000000000000000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4			3.55				33-2-5					30-30-30-17
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	90.4	00	4.5	32	21	39.5	05.5	119.5	417621	100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40		1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	1100
7GN125		1	2							N.	L.				
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63		1 - 3	4 - 6	100	204	120	190	5.5	32	35	10	121	1/5	2xPG11	11.00
7GN125		1 - 2	3 - 4												

## Wiring diagrams



## Certifications and compliance





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Compliance

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete