



ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN20
Switching diagram			19 - Dahlander motor control switch 0-1-2
N° of elements			4
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	JL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	۸	20
	JL/CSA	A A	20 20
Rated operational voltage	JL/CSA		480
Rated operational voltage Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	
Maximum race size for enert eneal protection in (ge)	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current Icw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
	20/230V	A	8
	60/400V 60/690V	A A	6 1.5
Rated operational power in AC	00/090 V	A	1.0
Three-phase AC-3			
	.0/230V	kW	3
	0/440V	kW	5.5
	0/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
22	20/230V	kW	2.2
38	0/440V	kW	3
Three-phase AC23A			
	20/230V	kW	5
	0/440V	kW	7.5
	0/690V	kW	7.5
Single-phase AC23A	440) (1.347	0.0
	110V	kW	0.8
	20/230V 30/440V	kW kW	2.5 3.7
	, J, T 1 0 V	17.4.4	

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Rated operational cur				
	DC21A	40)/		00
		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
	DOOM (salas is as is a)	440V	Α	0.25
	DC23A (poles in series)	0.41/	Δ.	00 (4)
		24V	A	20 (1)
		48V	A	20 (2)
		60V 110V	A	20 (3)
		220V	A A	10 (3)
	DC13	220 V	A	8 (4)
	DC13	241/	۸	20
		24V 48V	A	20 16
		60V	A A	12
		110V	A	12
		220V	A	0.4
		220V 440V	A	0.4 0.15
Power dissination		440 V	W	0.15
Power dissipation lechanical features			VV	0.0
erminals screw				M3
	torminals may		Nm	0.5
Fightening torque for	terminals max		INIII	0.5
Conductor size	ANA/O Distil calla			
	AWG - Rigid cable		A1A/O	00
		min	AWG	20
	AVAICA Flavible askis	Max	AWG	12
	AWG - Flexible cable		A1A/C	20
		min Max	AWG	20
	On the transit (IFO) Florible and I	Max	AWG	14
	Conductor size (IEC) - Flexible cable	min	mama ²	0 F
		min Mov	mm²	0.5
	Conductor size (IEC) Digid coble	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	min	m.m.2	0.5
		min Mov	mm²	0.5
Asshanical life		Max	mm²	2.5 5×106
Mechanical life JL technical data			cycles	5x10 ⁶
	t-on-line control			
	t-on-line control for three-phase motor	1201/	UD	1.5
		120V	HP up	1.5
		240V	HP	3
		240V 480V	HP HP	3 7.5
	for three-phase motor	240V	HP	3
		240V 480V 600V	HP HP HP	3 7.5 10
	for three-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Notor power for direc	for three-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Motor power for direc	for three-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Motor power for direc	for three-phase motor for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Motor power for direc	for three-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 7.5 10 0.75 2
Motor power for direct Ambient conditions Temperature	for three-phase motor for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10



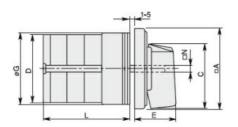
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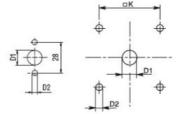
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min °C -40 max °C +70

Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



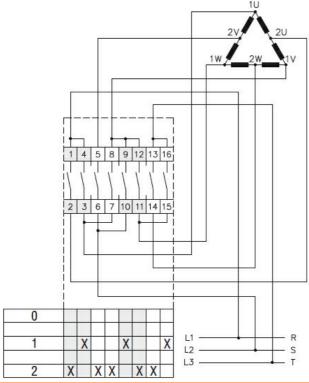


Standard drillings for 7GN125.

Drillings on request for 4 screws fixing (4V version).

Carian	Dimensions								L Number of elements												
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	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



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	UL60947-4-1						
Certificates							
	cCSAus						
	EAC						
	UL						
CTIM elegationtic	n						

TIM classification

ETIM 8.0

EC001029 -Selector switch, complete