



ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Product designation		Rotary cam switches
Product type designation		7GN20
General characteristics		
Switching diagram		20 - Dahlander motor 2-speed reversing switch
N° of elements		6
Mounting form		U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Contact characteristics Reted inculation veltors Hi		
Rated insulation voltage Ui IEC/E UL/CS	SA V	690 600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith	kV	6
IEC/E		20 20
Rated operational voltage	V	480
Rated operational impulse voltage	kV	4
Maximum fuse size for short-circuit protection In (gG)		
101		20
154		16
251	A A	16
	ls A	250
Conductivity		10/5 mA/V
Operational current le IEC/EN AC1/AC21A	A	20
AC15		20
110 220/230		10 8
380/400	V A	6
660/690	V A	1.5
Rated operational power in AC		
Three-phase AC-3		
220/230		3
380/440 500/690		5.5
Single-phase AC-3	V kW	5.5
Single-phase AC-3)V kW	0.8
220/230		2.2
380/440		3
Three-phase AC23A	*	
220/230	V kW	5
380/440	V kW	7.5
500/690	V kW	7.5
Single-phase AC23A		
110)V kW	0.8



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		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curr	rent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	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 to	erminals max		Nm	0.5
Conductor size				
00.1440.01 0.20	AWG - Rigid cable			
	7.11.6 Tagla sabis	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Wax	71110	12
	7000 Flexible dable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVICA	AVVO	17
	Conductor size (IEC) - I lexible cable	min	mm²	0.5
		Max		2.5
	Conductor size (IEC) Digid coble	ividX	mm²	۷.۷
	Conductor size (IEC) - Rigid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIdX		
			cycles	5x10 ⁶
UL technical data	an line control			
Motor power for direct				
	for three-phase motor	4001		4.5
		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			
		min	°C	-25

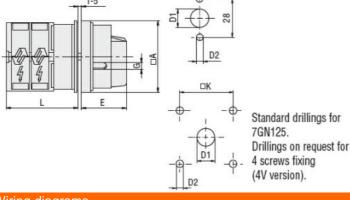




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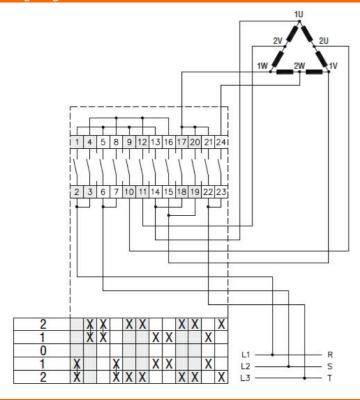
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions



Series		Dimensions				L				
	□A	D1	D2	Е	G	□K	1	2	3	12
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	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

Certificates

cCSAus

EAC



7GN2020U65

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UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete