

7GN2020U47 ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation				^a Rotary cam
-				switches
Product type designati				7GN20
Switching diagram	5			20 - Dahlander motor 2-speed reversing switch
N° of elements				6
Mounting form				U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics				
Rated insulation voltag		IEC/EN UL/CSA	V V	690 600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith	IEC/EN UL/CSA	A A	20 20
Rated operational volta	age		V	480
Rated operational imp	ulse voltage		kV	4
Maximum fuse size for	r short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 16 16
Rated short time curre	nt Icw	20104	Λ	10
		1s	А	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN AC1/AC21A		A	20
	AC15		Λ	20
		110V 220/230V 380/400V	A A A	10 8 6
Rated operational pow	ver in AC	660/690V	A	1.5
	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 380/440V	kW kW	2.2 3
	Three-phase AC23A	500/440V	r\ V V	5
		220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A	110V	kW	0.8

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		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cur				
	DC21A	(0) (
		48V	A	20
		60V	А	20
		110V	А	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	A	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	5	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	Max	/0	
		min	mm²	0.5
			mm²	
	Conductor size (IEC) - Divid coble	Max	11111	2.5
	Conductor size (IEC) - Rigid cable		mm ²	0.5
		min	mm²	0.5
Mashan's still		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data	t on line control			
Motor power for direc				
	for three-phase motor	40014		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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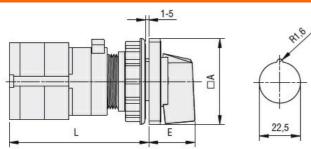
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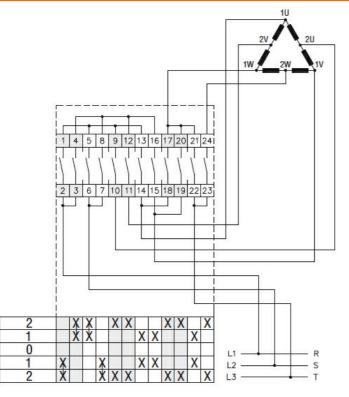
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

Dimensions



Cariaa	Dimensions			L		
Series	□A	E	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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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ENERGY AND AUTOMATION

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	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classificatio	n	
		EC001029 -
		O a la atam avvita h

ETIM 8.0

EC001029 -Selector switch, complete