

7GN2020048 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 45X54MM

Product designation			Rotary cam
-			switches
Product type designation			7GN20
General characteristics Switching diagram			20 - Dahlander motor 2-speed reversing switch
N° of elements			6
			O48 - Modular
Mounting form			service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith		٨	20
	IEC/EN UL/CSA	A A	20 20
Rated operational voltage	00/034	 V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	
	10kA	А	20
	15kA	A	16
	25kA	А	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
1015		A	20
AC15	110\/	٨	10
	110V 220/230V	A A	10 8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC			
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	kW	2.2
	380/440V	kW	3
Three-phase AC23A	220/22014	L\\/	5
	220/230V 380/440V	kW kW	5 7.5
	500/690V	kW	7.5
Single-phase AC23A	500/030 V	17.4.4	1.0
	110V	kW	0.8
	220/230V	kW	2.5



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		380/440V	kW	3.7
Rated operational cu				
	DC21A	(0)(
		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	24V	۸	20 (1)
		24 V 48 V	A A	20 (1)
		48 V 60 V	A	20 (2)
		110V	A	20 (3) 10 (3)
		220V	A	8 (4)
	DC13	2201	~	0 (4)
	DC13	24V	А	20
		24 V 48 V		16
		48V 60V	A A	10
		110V	A	
		220V		1 0.4
		220V 440V	A	0.4 0.15
Dower dissinction		440 V	A W	
Power dissipation Mechanical features			VV	0.8
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	Ū.	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	· · -	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ^e
UL technical data			-	
Motor power for direc	t-on-line control			
	for three-phase motor			
		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
			*0	

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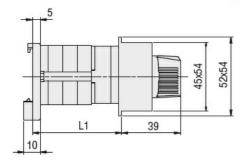
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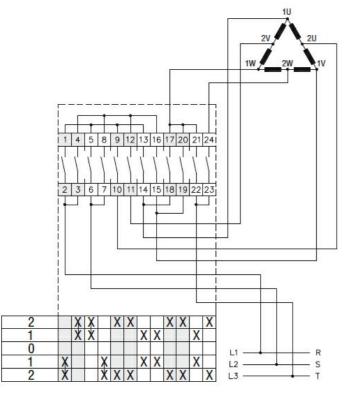
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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Series	L1			
	1	2	3	
7GN12	38.1	47.8	57.5	
7GN20	38.1	47.8	57.5	
7GN25	42.5	56.1	69.7	

Wiring diagrams



Certifications and compliance

Compliance

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ENERGY AND AUTOMATION

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	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete