

**7GN2520048** ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 25A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Des dust de sieve stieve				<sup>a</sup> Rotary cam
Product designation				switches
Product type designati				7GN25
General characteristics Switching diagram	5			20 - Dahlander motor 2-speed reversing switch
N° of elements				6
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
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	25 30
Rated operational volta	age		V	480
Rated operational imp	ulse voltage		kV	4
Maximum fuse size for	short-circuit protection In (gG)	10kA 15kA 25kA	A A A	25 25 25
Rated short time curre	nt Icw	20104	Π	23
		1s	Α	400
Conductivity				10/5 mA/V
Operational current le	IEC/EN AC1/AC21A		A	25
	AC15		Α	20
		110V 220/230V 380/400V 660/690V	A A A	16 12 8 2
Rated operational pow	ver in AC	000/090V	A	2
	Three-phase AC-3	220/230V	kW	5.5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC-3	110V 220/230V	kW kW	1.5 3
		380/440V	kW	5 5.5
	Three-phase AC23A	220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	110V	kW	1.5

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		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational c				
	DC21A	48V	А	25
		48V 60V	A	25
		110V	A	4
		220V	A	0.7
	DC23A (poles in series)	2201	7	0.1
	(p = = = = = = = = = = )	24V	А	25 (1)
		48V	A	25 (2)
		60V	А	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			
		24V	А	25
		48V	А	20
		60V	А	16
		110V	А	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features	5			
Terminals screw				M3.5
Tightening torque for	or terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable		A. \A/O	00
		min	AWG	20
	Conductor cize (IEC) Elevible coble	Max	AWG	12
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	IVICA		<b>T</b>
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			.,	
Motor power for dire	ect-on-line control			
·	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
	-	max	°C	+55
	Storage temperature			

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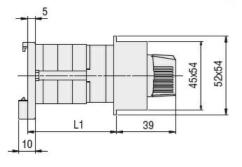
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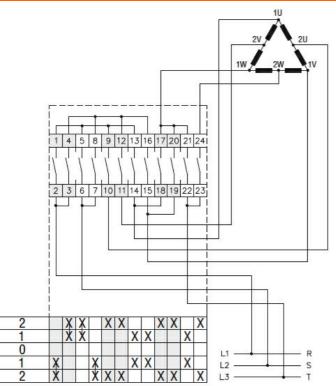
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions



Cariao	L1			
Series	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

CSA C22.2 n° 14
IEC/EN/BS 60947-1
IEC/EN/BS 60947-3
IEC/EN/BS 60947-5-1
UL60947-4-1

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ENERGY AND AUTOMATION

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete