

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
•			switches
Product type designation			7GN25
General characteristics			20 - Dahlander
Switching diagram			motor 2-speed
			reversing switch
N° of elements			6
			U47 - Snap on fron mounting
Mounting form			with black handle
•			for hole diam.
			22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEO/EN		000
	IEC/EN UL/CSA	V V	690
Rated impulse withstand voltage Uimp	UL/CSA	kV	600
Conventional free air thermal current Ith		ΚV	0
Conversional nee all thermal bullent full	IEC/EN	Α	25
	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	Α	25
	25kA	A	25
Rated short time current lcw			
016.7	1s	kA	400
Conductivity Operational outrant to IEC/EN			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
ACT/ACZTA		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
Single-phase AC-3	500/690V	kW	7.5
Silligie-pliase AO-3	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	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
	220/230V	kW	3.7



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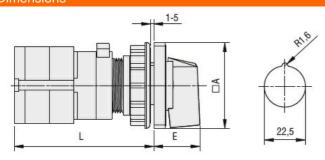
		380/440V	kW	5.5
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)	0.01	•	05 (4)
		24V	A	25 (1)
		48V	A	25 (2)
		60V 110V	A	25 (3)
		220V	A	12 (3)
	DC13	220 V	Α	10 (4)
	DC13	24V	Α	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation		220 V	W	1.1
Mechanical features			V V	1.1
Terminals screw				M3.5
Tightening torque for te	erminals max		Nm	0.8
Conductor size				
0011440101 0120	AWG - Rigid cable			
	71170 Trigid Sabio	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	TTIOX	7	
	THE TRANSPORTE	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
	(,	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	-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
			۰.	. E E
		max	°C	+55
	Storage temperature			
	Storage temperature	max	°C	-40



ENERGY AND AUTOMATION

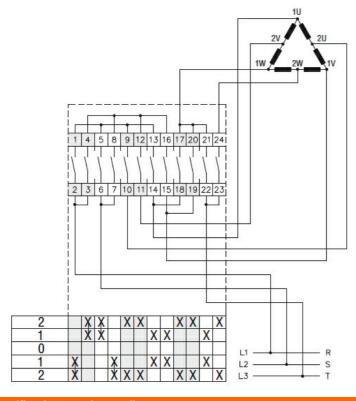
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Series	Dimensions		L			
	□A	Е	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

UL60947-4-1

Certificates

cCSAus



7GN2520U47

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EAC			
UL			

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete