

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 16A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
•			switches
Product type designation			7GN12
General characteristics Switching diagram			20 - Dahlander motor 2-speed
N° of elements			reversing switch 6
14 of cicinonia			U47 - Snap on
Mounting form			fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	0200/1	kV	6
Conventional free air thermal current Ith		<u> </u>	
	IEC/EN	Α	16
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4		4.0
	10kA 15kA	A A	16 10
	25kA	A	10
Rated short time current Icw	ZUKA		10
Traine danciarion	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15		_	
	110V	A	10
	220/230V 380/400V	A A	8 4
	660/690V	A	1.5
Rated operational power in AC	000,000 1	,,	1.0
Three-phase AC-3			
·	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V 380/440V	kW kW	1.5 2.2
Three-phase AC23A	300/440 V	IV V V	۷.۷
THISO PHOSE NOZON	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	1.7



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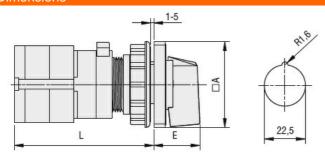
		380/440V	kW	3
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	0.07		40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
	D040	220V	A	5 (4)
	DC13	241/	۸	40
		24V	A	12
		48V	A	10
		60V 110V	A	8
			A	1
		220V	A	0.4
Dower discination		440V	A W	0.15
Power dissipation			VV	0.8
Mechanical features				MO
Terminals screw Tightening torque for te	arminala may		Nm	M3 0.5
Conductor size	eminas max		INIII	0.5
Conductor Size	AWC Digid apple			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AVVG	12
	AVVG - Flexible Cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	14
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.5
	Conductor Size (IEO) - Mylu Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVICA	cycles	3x10 ⁶
UL technical data			Cycles	
Motor power for direct-	on-line control			
otor powor for direct-	for three-phase motor			
	ioi alioo piidoo iiiotoi	120V	HP	1.5
		240V	HP	3
	for single-phase motor	Z-TO V	111	
	ioi singio pridocifictor	120V	HP	0.5
		240V	HP	1
Ambient conditions		2.00		·
Temperature				
.	Operating temperature			
	operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	THAK		
		min	°C	-40
		11111		· -



ENERGY AND AUTOMATION

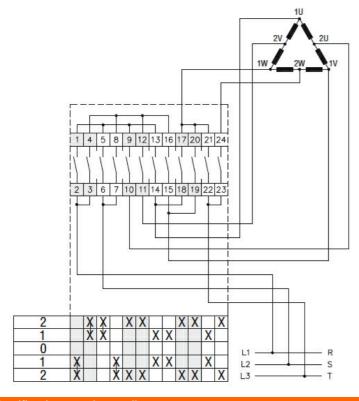
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Carias	Dimensions		L			
Series	□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



7GN1220U47

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EAC		
UL		

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete