

**7GN1219U47** ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
-			switches
Product type designation General characteristics			7GN12
Switching diagram			19 - Dahlander motor control switch 0-1-2
N° of elements			4
Mounting form			U47 - Snap on 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		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	16 15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	16 10 10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		A	16
AC15		~	10
	110V 220/230V 380/400V	A A A	10 8 4
Rated operational power in AC	660/690V	A	1.5
Three-phase AC-3	220/230V 380/440V	kW kW	2.5 4
Cincle phase AC 2	500/690V	kW	5.5
Single-phase AC-3	110V 220/230V	kW kW	0.8 1.5
	380/440V	kW	2.2
Three-phase AC23A	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A	110V 220/230V	kW kW	0.8 1.7

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ENERGY AND AUTOMATION

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		380/440V	kW	3
Rated operational cu	urrent in DC			
	DC21A			
		48V	А	12
		60V	А	12
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13	2201	~~~	0(1)
	Delis	24V	А	12
		48V	A	10
		48 V 60 V		
			A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque fo	r terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		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		IVICA	cycles	3x10 <sup>6</sup>
UL technical data			Cycies	
Motor power for dire	et-on-line control			
	for three-phase motor	4001/	ЦР	1 5
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40

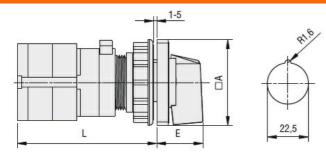
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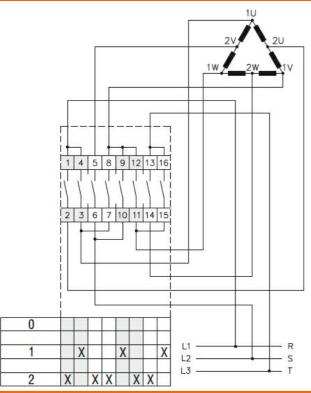
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	m	ax	°C	+70
Resistance & Protection				
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				



Cariaa	Dimer	nsions			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

IEC/EN/BS 60947-1	
IEC/EN/BS 60947-3	
IEC/EN/BS 60947-5-1	
UL60947-4-1	

Certificates

cCSAus	
EAC	

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ETIM classification

UL

**ETIM 8.0** 

EC001029 -Selector switch, complete