



ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 16A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation					Rotary cam
General characteristics           Switching diagram         19 - Dahlander motor control switch 0-1-2 witch 0-1-2 wi	Product designation				
Switching diagram   19 - Dahlander motor control switch 0-1-2   N° of elements   4   O48 - Modular service cover for 35mm din rail mounting with black handle service cover for 15 min rail mounting with black handle servi					7GN12
Switching diagram         motor control switch 0-1-2 switch 0-1-	General characteristics				
Mounting form   C48 - Modular   Service cover for   Somm din rail mounting with black handle	Switching diagram				motor control
Mounting form   Service cover for 35mm din rail mounting with black handle black	N° of elements				4
Rated insulation voltage Ui   IEC/EN					service cover for 35mm din rail mounting with
Rated impulse withstand voltage Uimp					
Conventional free air thermal current lith	Rated Insulation voltag	e Oi	= :		
IEC/EN   A   16				kV	6
Rated operational impulse voltage   RV   4	Conventional free air th	nermal current Ith	= :		
Maximum fuse size for short-circuit protection In (gG)  10kA A 16 15kA A 10 25kA A 10  Rated short time current lcw  1s kA 200  Conductivity  1s kA 200  Conductivity  AC1/AC21A  AC15  110V A 16  AC15  110V A 10 220/230V A 8 380/400V A 1.5  Rated operational power in AC  Three-phase AC-3  Single-phase AC-3  Three-phase AC-3  Three-phase AC-3  Three-phase AC-3  Three-phase AC-3A  Three-phase AC-3A  Single-phase AC-3A  Three-phase AC-3A  Single-phase AC-3A  Three-phase AC-3A  Single-phase AC-3A  Tinux kW 0.8 220/230V kW 1.5 380/440V kW 2.2  Three-phase AC-3A  Three-phase AC-3A  Single-phase AC-3A  Three-phase AC-3A  Single-phase AC-3A  Three-phase AC-3A	Rated operational volta	age		V	480
10kA	Rated operational imp	ulse voltage		kV	4
Three-phase AC-3A   Single-phase AC-23A	Maximum fuse size for	short-circuit protection In (gG)	15kA	Α	10
Conductivity	Rated short time curre	nt Icw			
Operational current le IEC/EN	-		1s	kA	
AC1/AC21A  AC15  T10V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5  Rated operational power in AC  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 kW 1.5 380/440V kW 1.5 380/440V kW 2.2  Three-phase AC23A  220/230V kW 3 380/440V kW 5.5  Single-phase AC23A  110V kW 0.8 380/440V kW 5.5 500/690V kW 7.5  Single-phase AC23A					10/5 mA/V
AC15    110V	Operational current le			Α	16
110V		AC15		,,	
Rated operational power in AC  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 kW 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			220/230V 380/400V	A A	8 4
220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5  Single-phase AC-3  110V kW 0.8 220/230V kW 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	Rated operational pow	er in AC			
110V kW 0.8 220/230V kW 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 kW 0.8		Three-phase AC-3	380/440V	kW	4
220/230V kW 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 kW 0.8		Single-phase AC-3			
Three-phase AC23A  220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.8			220/230V	kW	1.5
220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5  Single-phase AC23A 110V kW 0.8		<del></del>	380/440V	kW	2.2
Single-phase AC23A 110V kW 0.8		Three-phase AC23A	380/440V	kW	5.5
110V kW 0.8		Single-phase AC23A	330/030 V	17.4.4	1.0
		g p			





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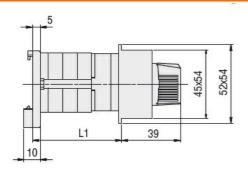
		380/440V	kW	3
Rated operational curre	ent in DC			
•	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	10 (1)
		48V	Α	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	Α	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
0011000101 0120	AWG - Rigid cable			
	7.VVO Trigid dubic	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Wicox	7	
	AWG TICKING GUNC	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVICA	71110	
	Conductor diza (120) Trodible dable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVICA		2.0
	Obliquetor 3/20 (120) Rigid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAX	cycles	3x10 <sup>6</sup>
UL technical data			0,0100	JA 10
Motor power for direct-	on-line control			
motor power for direct-	for three-phase motor			
	ioi tilico pilaso filotol	120V	HP	1.5
		240V	HP	3
	for single-phase motor	240 V	1 11.	
	ioi singie-priase motor	120V	HP	0.5
		240V	HP	1
Ambient conditions		Z+0 V	1 11	<u>'</u>
Temperature				
romporature	Operating temperature			
	Operating temperature	min	°C	-25
			°C	-25 +55
	Storage temperature	max	U	TUU
	Storage temperature	mai	°C	-40
		min		<del>-4</del> 0



**ENERGY AND AUTOMATION** 

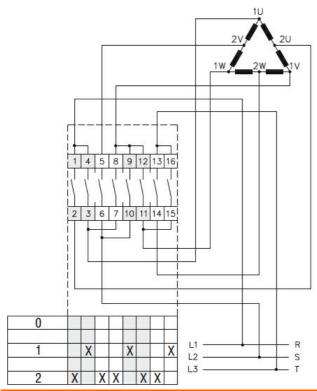
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



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

CSA	C22.2	n°	14
IEC/E	NI/DC	2	0.45

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

### Certificates



## 7GN1219O48

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cCSAus	
EAC	
UL	

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete