



ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation Switches Product type designation 7GN25 Switching diagram 19 - Dahlander motor control switch 0-1-2 N° of elements 4 N° of elements 4 Mounting form 4 Contact characteristics 4 Rated insulation voltage Uin IEC/EN V 690 Rated impulse withstand voltage Uimp KY 6 Conventional free air thermal current Ith IEC/EN A 25 Conventional free air thermal current Ith IEC/EN A 25 Rated operational voltage KY 4 Rated operational impulse voltage KY 4 Maximum fuse size for short-circuit protection in (gG) 10KA A 25 Rated short time current low 1s kA 400 Conductivity 1s/A 400 Conductivity 1s/A 400 Conductivity 2s/Cx/A 2s/Cx/A AC1/AC21A 2s/Cx/A 2s/Cx/A AC1/AC21A 2s/Cx/A 2s/Cx/A AC1/AC21A 2s/Cx/A <th>Draduat designation</th> <th></th> <th></th> <th></th> <th>Rotary cam</th>	Draduat designation				Rotary cam
Switching diagram 19 - Dahlander motor control switch 0-1-2 N° of elements 4 N° of elements U47 - Snap on from mounting with black handle for hole diam. 22mm finxing Mounting form IEC/EN V 690 Rated insulation voltage UI Rated insulation voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 25 Conventional free air thermal current Ith IEC/EN A 25 Rated operational voltage kV 4 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection in (gG) 10kA A 25 Rated short time current lcw 10kA A 25 Rated short time current le IEC/EN AC1/AC21A A 25 AC16 110V A 16 220/230V A 25 Rated operational power in AC Three-phase AC-3 20/2/230V	_				
Switching diagram 19 - Dahlander 1					7GN25
Switching diagram motor countrol switch 0-1-2 shitch 0-1	General characteristics				40. Dahlandan
No felements	Switching diagram				
No of elements	Switching diagram				
Mounting form With State Act Stap on from mounting form With State Act Mounting form With State Act With State	N° of elements				
Mounting form With black handle fron hote diam. 2					
Contact characteristics					fron mounting
Contact characteristics	Mounting form				
Rated insulation voltage Ui					
Rated insulation voltage Ui	Out that I have to infine				22mm finxing
Section Sect					
Rated impulse withstand voltage Uimp	Rated insulation voltag	e Ui	JEO/EN		000
Rated impulse withstand voltage Uimp					
Conventional free air thermal current Ith	Data Plana Inc. 20 ato.	. L Researt Proce	UL/CSA		
Rated operational voltage V V V V V V V V V				KV	6
Rated operational voltage V V V V V V V V V	Conventional free air tr	nermal current Ith	JEO/EN		0.5
Rated operational voltage					
Rated operational impulse voltage Rated operational impulse voltage Rated operational impulse voltage Rated short-circuit protection In (gG) 10kA	Dated apprehingel valte		UL/CSA		
Maximum fuse size for short-circuit protection In (gG)		-			
10kA				KV	4
15kA	Maximum ruse size for	short-circuit protection in (gG)	101.1	۸	25
Rated short time current Icw 1s					
Rated short time current lcw				_	
1s	Rated short time curre	ot low	ZJRA		23
Conductivity	reaced short time curren	THE TOW	1e	kΔ	400
Operational current le IEC/EN	Conductivity		13	IVA	
AC1/AC21A AC15 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 5.5 220/230V kW 5.5 Single-phase AC23A	_ 	IFC/FN			10/0 111/4 V
A 25 AC15 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC-3 220/230V kW 5.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 1.5 380/440V kW 5.5 Three-phase AC23A	operational current to				
AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 5.5 220/230V 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		7.6 17.62 17.		Α	25
110V		AC15			
220/230V			110V	Α	16
Single-phase AC23A Sab/440V A B B B B B B B B B					
Rated operational power in AC Three-phase AC-3					
Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-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				Α	
220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-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	Rated operational pow	er in AC			
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-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		Three-phase AC-3			
Single-phase AC-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			220/230V	kW	5.5
Single-phase AC-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			380/440V	kW	7.5
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			500/690V	kW	7.5
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		Single-phase AC-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					
Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A					
220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A			380/440V	kW	5.5
380/440V kW 11 500/690V kW 11 Single-phase AC23A		Three-phase AC23A			
Single-phase AC23A					
Single-phase AC23A					
y '		Circle also a ACCCA	500/690V	KVV	11
11UV KVV 1.5		Single-phase AU23A	44017	1,11.7	1 5
			1100	r. v v	1.0





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		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational cu	rrent in DC			
·	DC21A			
	50217	48V	Α	25
		60V	A	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	A	10 (4)
	D040	2201		10 (4)
	DC13	- · · ·	_	
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation		2201	W	1.1
			VV	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for	terminals max		Nm	0.8
Conductor size				_
	AWG - Rigid cable			
	, o	min	AWG	20
		Max	AWG	10
	ANNO EL TIL	IVIAX	AWG	10
	AWG - Flexible cable		_	
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
	• •	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	TYTOOT		
	Conductor Size (IEC) - Rigid Cable		mm²	0 F
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct	ct-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				
remperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
	<u> </u>			

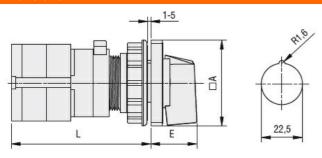


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min	°C	-40
max	°C	+70

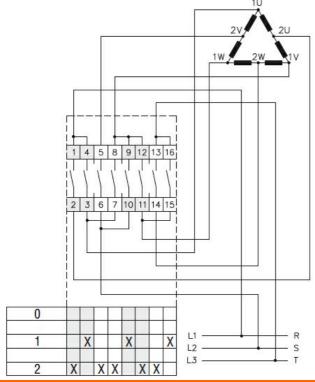
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



01	Dimensions		L			
Series	ΠA	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



7GN2519U47

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EAC		
UL		

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete