



ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 63A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

5 1 . 1				Rotary cam
Product designation				switches
Product type designati				7GN63
General characteristics	;			
Switching diagram				13 - Dahlander motor control switch 1-0-2
N° of elements				4
				U65 - Front
				mounting with
Mounting form				red/yellow handle
3 · · · · · · · · · · · · · · · · · · ·				padlockable in 0
				and protection covers
Contact characteristics				0010
Rated insulation voltag				
9		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar	nd voltage Uimp		kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	Α	63
		UL/CSA	Α	60
Rated operational volta			V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	63
		15kA	A	63
		25kA 50kA	A A	63 63
		63kA	A	63
Rated short time curre	nt Icw	OOKA		
rtatou orioit tiirio ourioi		1s	kA	1600
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
·	AC1/AC21A			
			Α	63
	AC15			_
		110V	Α	32
		220/230V	Α	25
		380/400V	A	15
Data dan anational nove	an in AO	660/690V	Α	4
Rated operational pow				
	Three-phase AC-3	220/230V	kW	11
		380/440V	kW	18.5
		500/690V	kW	18.5
	Single-phase AC-3	333,3331		
		110V	kW	3.7
		220/230V	kW	6.5
		380/440V	kW	11.5
	Three-phase AC23A			
		220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30





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	Single-phase AC23A			
	emigio priaco / to zo/ t	110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curi	rent in DC			
	DC21A			
		48V	Α	63
		60V	Α	50
		110V	A	8
		220V	Α	1
	DC23A (poles in series)			
		24V	Α	50 (1)
		48V	Α	50 (2)
		60V	Α	50 (3)
		110V	Α	25 (3)
		220V	A	15 (4)
	DC42	2201	^	10 (7)
	DC13	2.01		00
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation		1.00	W	3.4
Mechanical features			V V	3.4
				N.45
Terminals screw				M5
Tightening torque for t	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	3		AWG	14
		mın		
		min May		
	AMO Florible coble	min Max	AWG	6
	AWG - Flexible cable	Max	AWG	6
	AWG - Flexible cable	Max min	AWG	14
	AWG - Flexible cable	Max	AWG	6
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min	AWG	14
		Max min Max	AWG AWG AWG	6 14 8
		Max min Max min	AWG AWG AWG	6 14 8 2.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	6 14 8
		Max min Max min Max	AWG AWG AWG mm² mm²	6 14 8 2.5 10
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	6 14 8 2.5 10 2.5
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	6 14 8 2.5 10 2.5 16
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	6 14 8 2.5 10 2.5
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	6 14 8 2.5 10 2.5 16
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	6 14 8 2.5 10 2.5 16
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	6 14 8 2.5 10 2.5 16
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG mm² mm² mm² cycles	6 14 8 2.5 10 2.5 16 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max	AWG AWG AWG mm² mm² cycles	6 14 8 2.5 10 2.5 16 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm² mm² cycles HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm² mm² cycles HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² mm² cycles HP HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25 25
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG AWG AWG mm² mm² mm² cycles HP HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25 25



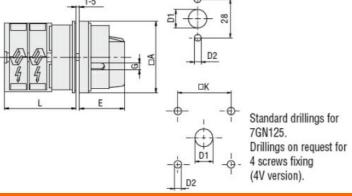


Resistance & Protection
Frontal IP degree
Terminals IP degree

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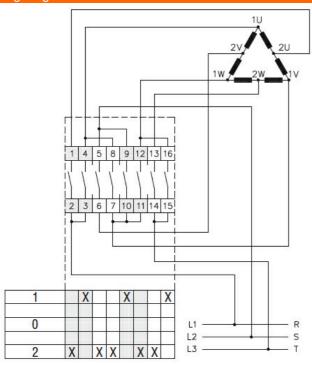
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

Dimensions



Carias	Dimensions					L				
Series	□A	D1	D2	Е	G	□K	1	2	3	12
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

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

EAC

UL

ETIM classification



ENERGY AND AUTOMATION

7GN6313U65

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ETIM 8.0

EC001029 -Selector switch, complete