

# ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Product designation			Rotary cam
•			switches
Product type designation			7GN63
General characteristics			40 D II I
Switching diagram			13 - Dahlande
Switching diagram			motor control switch 1-0-2
N° of elements			4
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	63
	15kA	A	63
	25kA	Α	63
	50kA	A	63
Data dala antifra a comment la co	63kA	A	63
Rated short time current Icw	1.0	LεΛ	1000
Complements site.	1s	kA	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		۸	63
AC15		Α	03
ACIO	110V	Α	32
	220/230V	A	32 25
	380/400V	A	25 15
	660/690V	A	4
Rated operational power in AC	000/030 V		<u>т</u>
Three-phase AC-3			
Tillee-pliase AO-0	220/230V	kW	11
	380/440V	kW	18.5
	500/440 V	kW	18.5
Single-phase AC-3	330/030 V		10.0
Chigo phaso No o	110V	kW	3.7
	220/230V	kW	6.5



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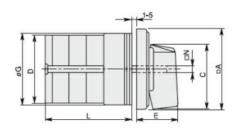
		380/440V	kW	11.5
	Three-phase AC23A			
		220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curr	rent in DC			_
	DC21A			
		48V	Α	63
		60V	Α	50
		110V	Α	8
		220V	Α	1
	DC23A (poles in series)	2201	- , ,	·
	2020/ (poloc iii collec)	24V	Α	50 (1)
		48V	A	50 (1)
		60V	A	
		110V		50 (3)
			A	25 (3)
		220V	Α	15 (4)
	DC13		_	
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Mechanical realures				
Terminals screw				M5
	erminals max		Nm	M5 2
Terminals screw	erminals max		Nm	
Terminals screw Tightening torque for t			Nm	
Terminals screw Tightening torque for t	erminals max  AWG - Rigid cable	min		2
Terminals screw Tightening torque for t			AWG	14
Terminals screw Tightening torque for t	AWG - Rigid cable	min Max		2
Terminals screw Tightening torque for t		Max	AWG AWG	14 6
Terminals screw Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	14 6
Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	14 6
Terminals screw Tightening torque for t	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 6 14 8 2.5
Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10
Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
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Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	min Max min Max min Max	AWG AWG AWG  AWG  mm² mm²  mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25 25
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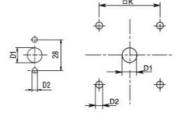
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**Dimensions** 

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### Ambient conditions Temperature Operating temperature °C -25 min °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

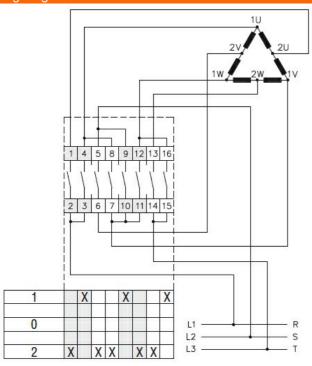




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions								L Number of elements												
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

## Wiring diagrams



## Certifications and compliance



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## 7GN6313U

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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

ETIM 8.0 EC001105 - Off-load switch